Gath

A Portfolio of Lighting

A.I.A. FILE 31F2

AUG 27 1938

35th ANNIVERSARY

1902 » 1937

A chance meeting of four boys, whose sole possession was an idea, a desire for improvement and strong determination to succeed, was the cornerstone for what developed into an international success.

Today, three of the original four "boys" are actively managing this aggressive organization. A new generation is coming along! Fortunately for these new youngsters, they are "learning the business" under the kindly yet mighty stern guidance of their much respected elders. Life anew, reliable and dependable dealings and quality outstanding, we all take pride in serving you.

THANK YOU!

IMPORTANT

Current everchanging prices of raw materials, labor, etc., make it such that prices as listed are not guaranteed and are subject to change without notice. Prices are for unit fixtures and many times where quantity is involved, lower quotations are in the offing. Every effort has been made to avoid errors in this catalog, but this company does not hold itself responsible for any errors or omissions. All prices are subject to final approval by our home office. Our complete designing and engineering departments are available at all times at no cost or obligation.

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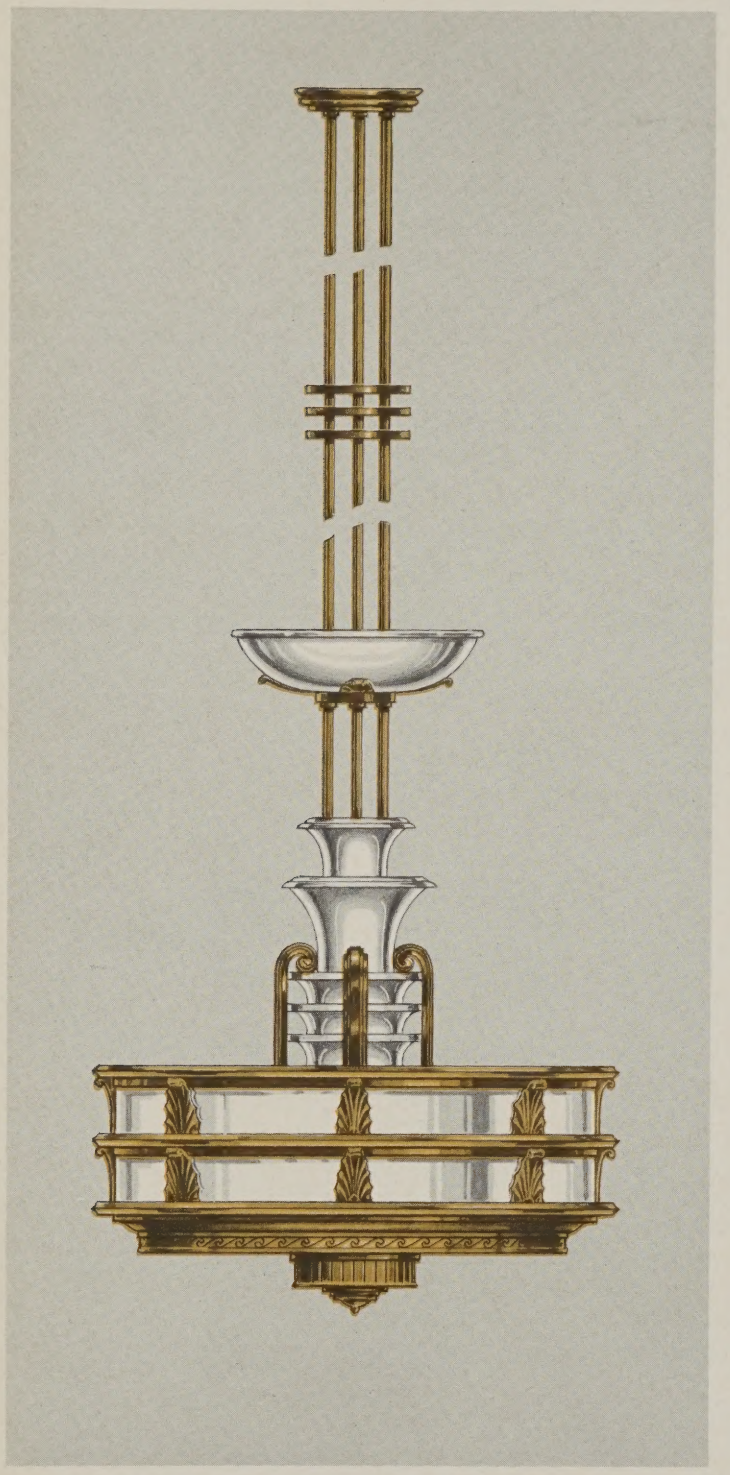
The Edwin F. Guth Company, St. Louis, Mo.



S-41089

"Concealed-Indirect" Luminaire

Nine lights, wired in three circuits. Made of cast and spun bronze, and aluminum. Finished: inside, Specular and Diffuse ALZAK; outside, Satin Aluminum and Bank Bronze. White Opal Glass bottom and side panels. Overall length of fixture, 16′ 0″. Diameter, 42″ overall.

Price, Each $500.00

(See page 22 for "Concealed-Indirect" principle)

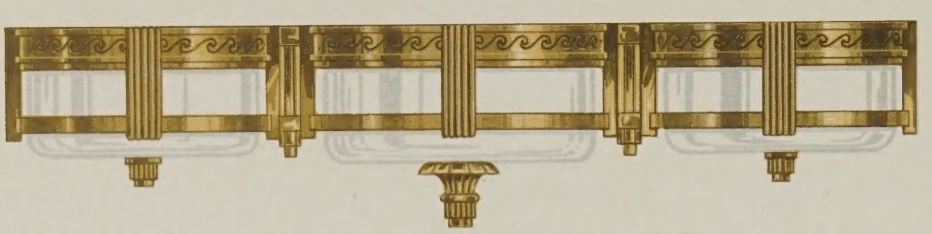
S-57977

Exterior Bracket

Three lights. Made of bronze. Finished: Outdoor Bronze. Engraved Satinlite Glass panels. Length, 36″ overall. Width, 12″ Overall. Extends 6″ overall.

Price, Each $120.00

EDWIN F. GUTH CO.

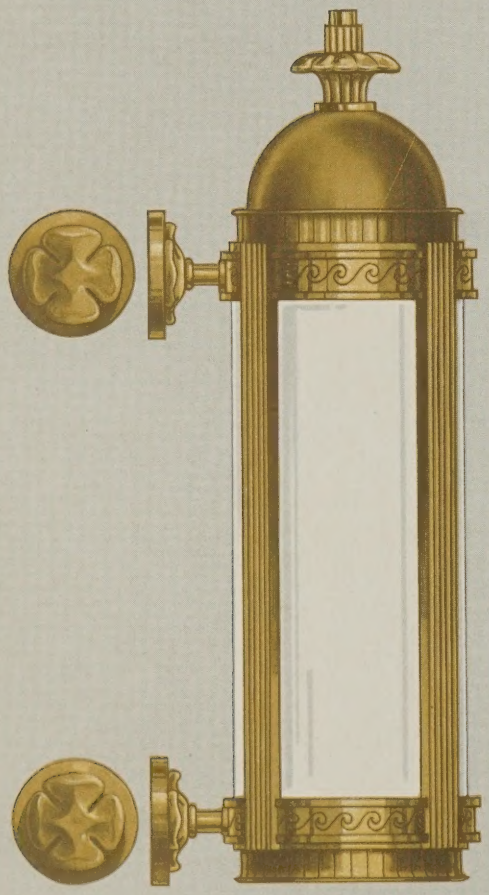


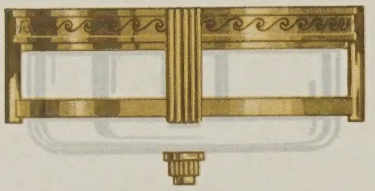
S-94932

Ceiling Fixture

Eight lights. Extruded and sheet bronze. Finished: Natural Bronze. White Opal glass bowls. Length, 46″ overall. Width, 16″ overall. Extends, 10″.

Price, Each $225.00





S-94931

Round Ceiling Unit

Four lights. Cast and extruded of bronze. Finished: Natural Bronze. White Opal glass bowl.

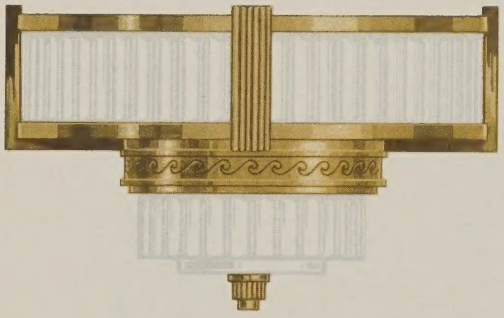
Type A—Diameter, 16″, Extends, 8″ . . . . . **Price $70.00**
Type B—Diameter, 18½″, Extends, 8½″ . . . . . **Price $82.00**

S-57506

Exterior Bracket

One light. Cast, extruded, and spun bronze. Finished: Natural Bronze. Satin crystal glass cylinder. Length, 44″ overall. Extends, 17″ overall.

Price, Each $225.00

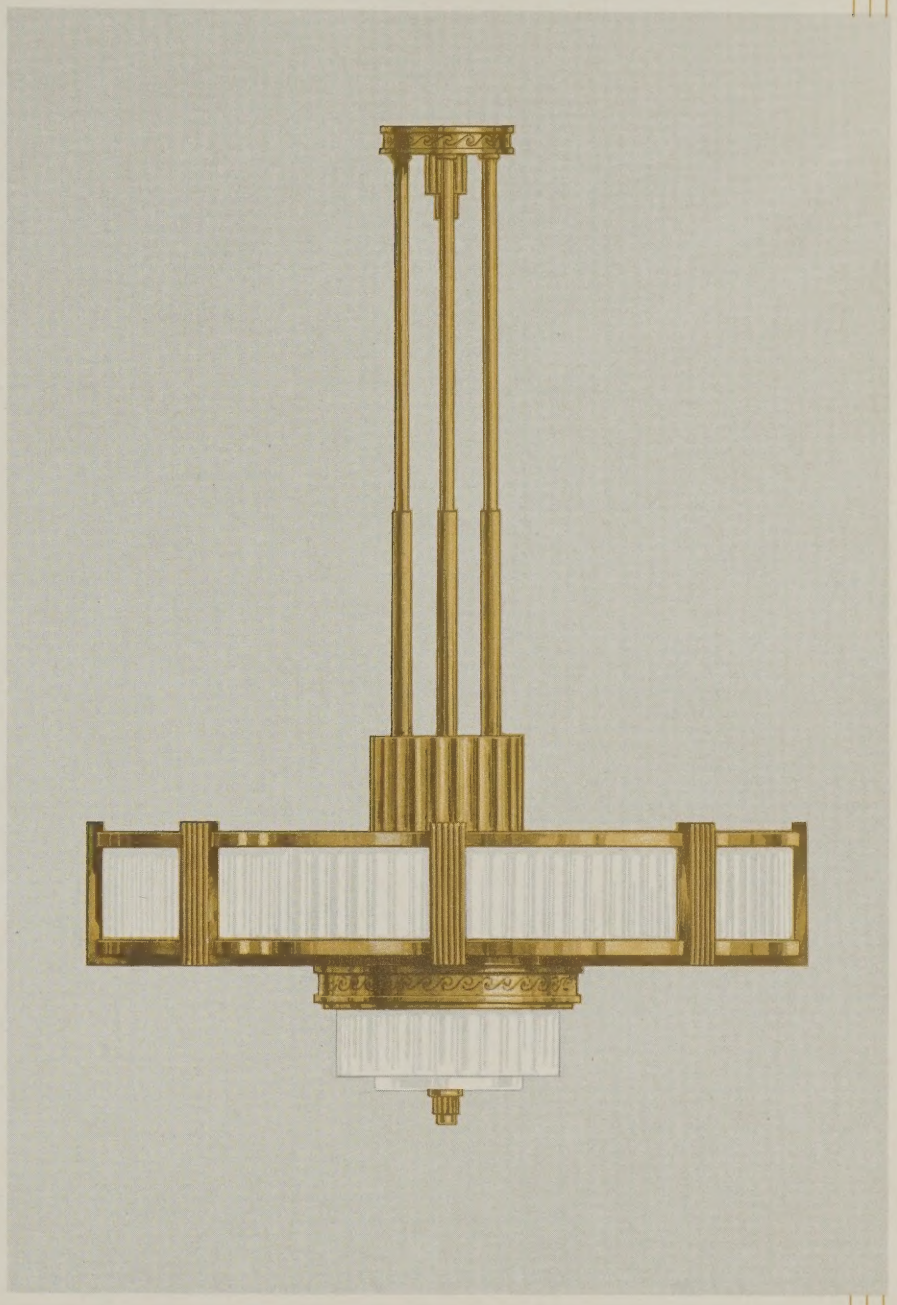


S-94937

Close Ceiling Fixture

Five lights. Cast and extruded bronze. Finished: Natural Bronze. Satin crystal glass panels and bowl. Diameter, 25″ overall. Extends, 14¾″ overall.

Price, Each $125.00



S-94938

Large Lobby Fixture

Nine lights. Cast and extruded of bronze. Finished: Natural Bronze. Satin crystal glass panels and bowl. Diameter, 37″ overall. Length, 5′0″ overall.

Price, Each $265.00

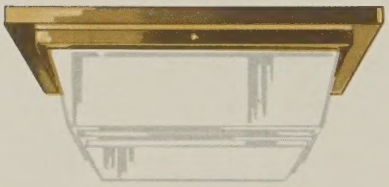
EDWIN F. GUTH CO.

S-94846

Pendant Ceiling Fixture

Four lights. Made of brass with cast knob. Finished: Statuary Bronze. Satin Lumite glass bowls. Length, 28″ overall. Spread, 25″ overall. Width, 14″ overall.

Price, Each $90.00

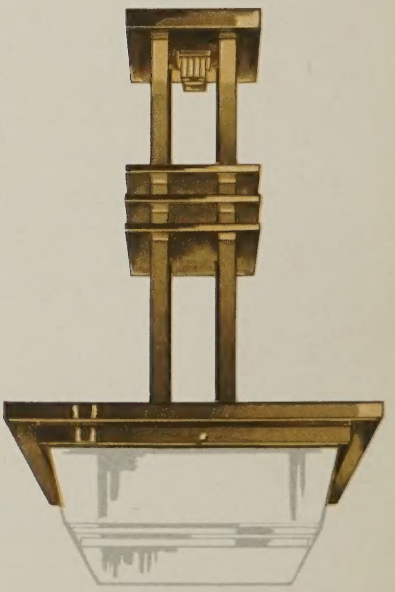


S-74441

Ceiling Unit

One light. Made of brass. Finished: Statuary Bronze. Satin Lumite glass bowl.

Type A—Diameter, 12″ square; Extends, 5″.....**Price $20.00**
Type B—Diameter, 14″ square; Extends, 5½″.....**Price $23.00**

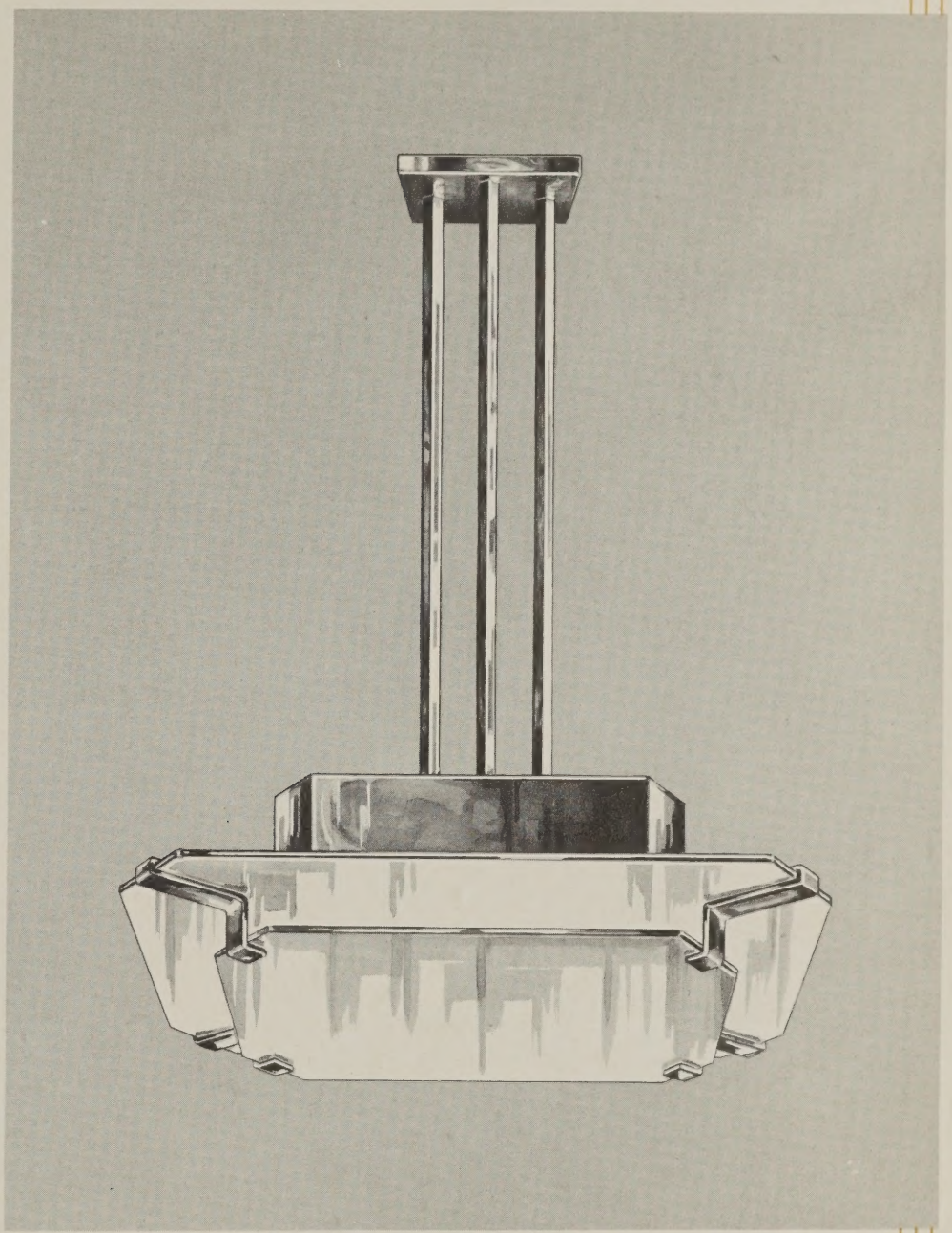


S-94847

Pendant Ceiling Fixture

Two lights. Made of brass. Finished: Statuary Bronze. Satin Lumite glass bowl. Length, 30″ overall. Width, 16″ square.

Price, Each $56.00

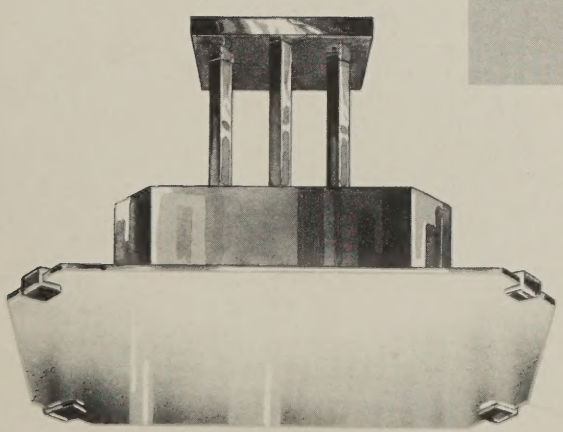


S-94057

Hanging Ceiling Fixture

Eight lights. Made of brass. Finished: Satin Cadmium. Antique Belgian etched glass panels. Width of square side, 30". Extreme spread, 39" overall. Length, 42" overall.

Price, Each $100.00

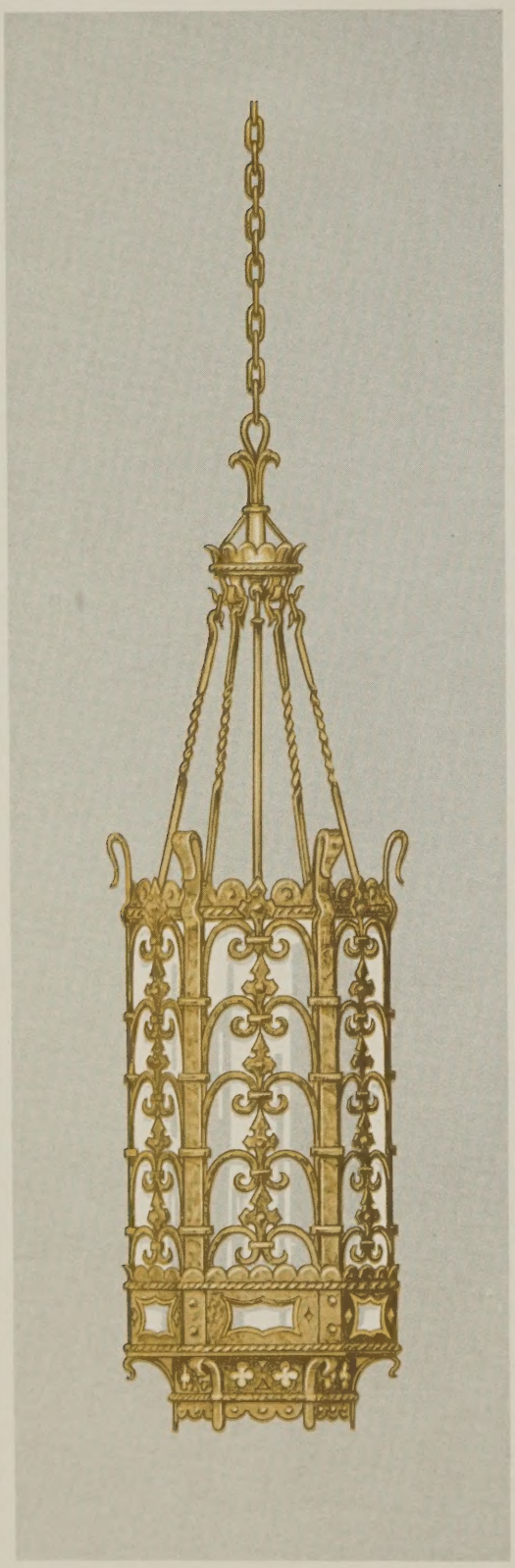


S-94058

Hanging Ceiling Fixture

Four lights. Made of brass. Finished: Satin Cadmium. Antique Belgian glass panel. Width of square side, 22". Length, 24" overall.

Price, Each $70.00



S-22126

Chapel Pendant Fixture

Four lights. Made of cast and sheet bronze. Finished: Old Bronze. English Moss glass panels. Diameter, 16″ overall.

Price, Each $565.00

S-21895

Church Ceiling Fixture

One light. Wrought of bronze. Finished: Antique Bronze. Amber crackled glass cylinder. Diameter, 14″ overall.

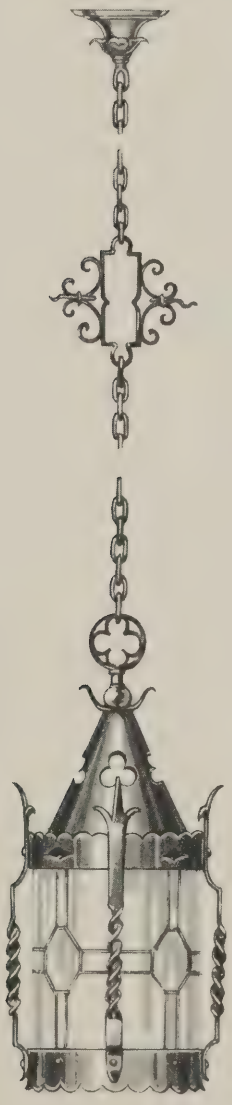
Price, Each $150.00

S-22127

Chapel Pendant Fixture

Five lights. Made of cast and sheet bronze. Finished: Antique Bronze. Satin crystal glass cylinders. Diameter, 24″ overall.

Price, Each $440.00



S-31524

Church Ceiling Fixture

Three lights. Wrought of iron. Finished: Swedish Iron and Gold. Amber marine leaded glass panels. Length, 8′0″ overall. Diameter, 16″ overall.

Price, Each $150.00

S-57801

Lantern Pendant

One light. Cast and spun bronze. Finished: Outdoor Bronze. Satin crystal glass globe.

Type A—Length, 30″; Diameter, 11″.....**Price $ 62.50**
Type B—Length, 36″; Diameter, 13″.....**Price 75.00**
Type C—Length, 42″; Diameter, 16″.....**Price 100.00**
Type D—Length, 54″; Diameter, 18″.....**Price 135.00**

S-57800

Lantern Bracket

One light. Cast and spun bronze. Finish: Outdoor Bronze. Satin crystal glass globe.

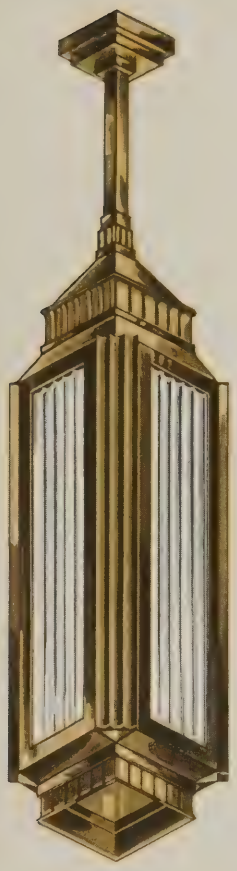
Type A—Height, 22″; Extends, 11½″.....**Price $ 69.00**
Type B—Height, 24″; Extends, 13½″.....**Price 90.00**
Type C—Height, 30″; Extends, 18″.....**Price 106.00**
Type D—Height, 36″; Extends, 19″.....**Price 140.00**

S-50570

Entrance Standard

One light. Made of bronze. Finished: Outdoor Bronze. Satin crystal (12″) glass globe. Height, 10′0″ overall. Base, 18″ square.

Price, Each $225.00



S-22151

Lantern Pendant

One light. Cast and extruded bronze. Finished: Natural Bronze. Satin crystal fluted glass panels. Length, 36″ overall. Lantern, 13″ square.

Price, Each $275.00

S-57975

Lantern Bracket

One light. Cast and extruded bronze. Finished: Natural Bronze. Satin crystal fluted glass panels. Height, 26″ overall. Extends, 17″ overall. Lantern, 13″ square.

Price, Each $300.00

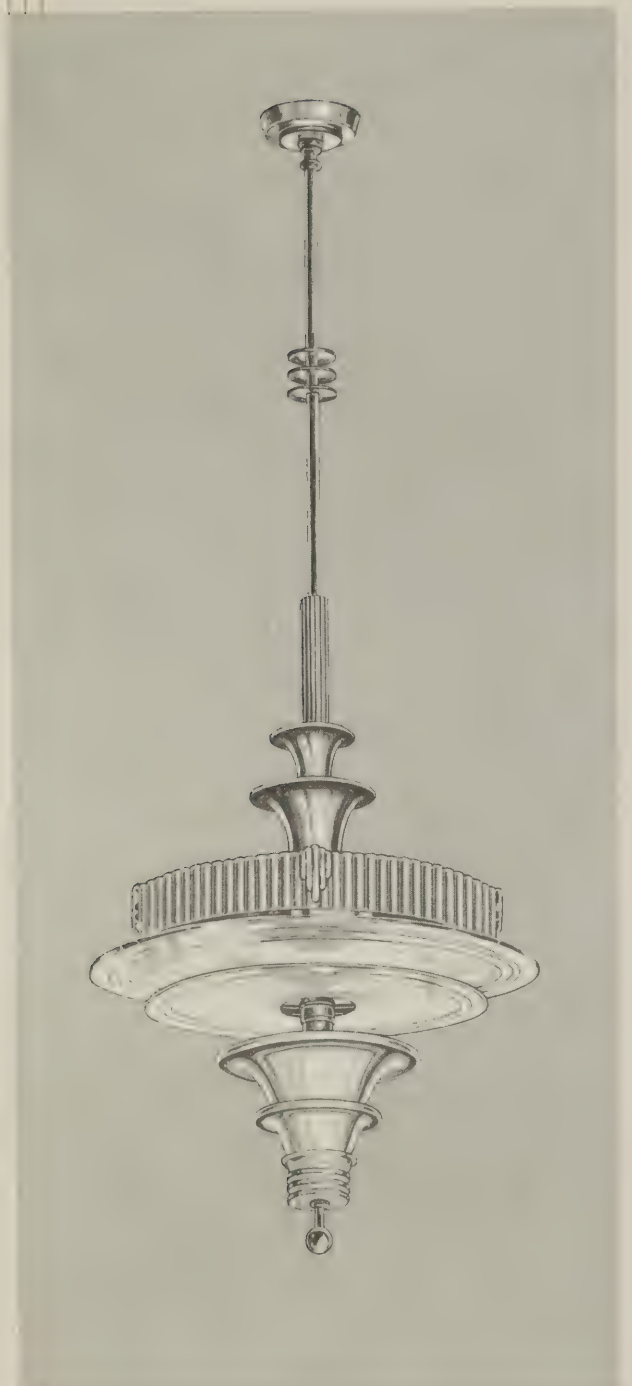
S-50565

Entrance Standard

One light. Cast and extruded bronze. Finished: Natural Bronze. Satin crystal fluted glass panels. Height, 8′0″ overall. Base, 18″ square. Lantern, 13″ square.

Price, Each $500.00

EDWIN F. GUTH CO.



S-31807

Semi-Indirect Pendant Fixture

Five lights. Made of aluminum and brass. Finished: Polished and Satin Aluminum and Satin Cadmium. Engraved Satinlite Glass Panels. Length, 7'0" overall. Diameter, 30" overall.

Price, Each $145.00

S-31059

"Direct-Indirect" Luminaire

Four lights. Made of aluminum and bronze. Finished: Satin and Polished Aluminum and Satin Bronze. Satin crystal glass cylinder in bottom. Length, 43" overall. Diameter, 24" overall.

Price, Each $100.00

S-12862

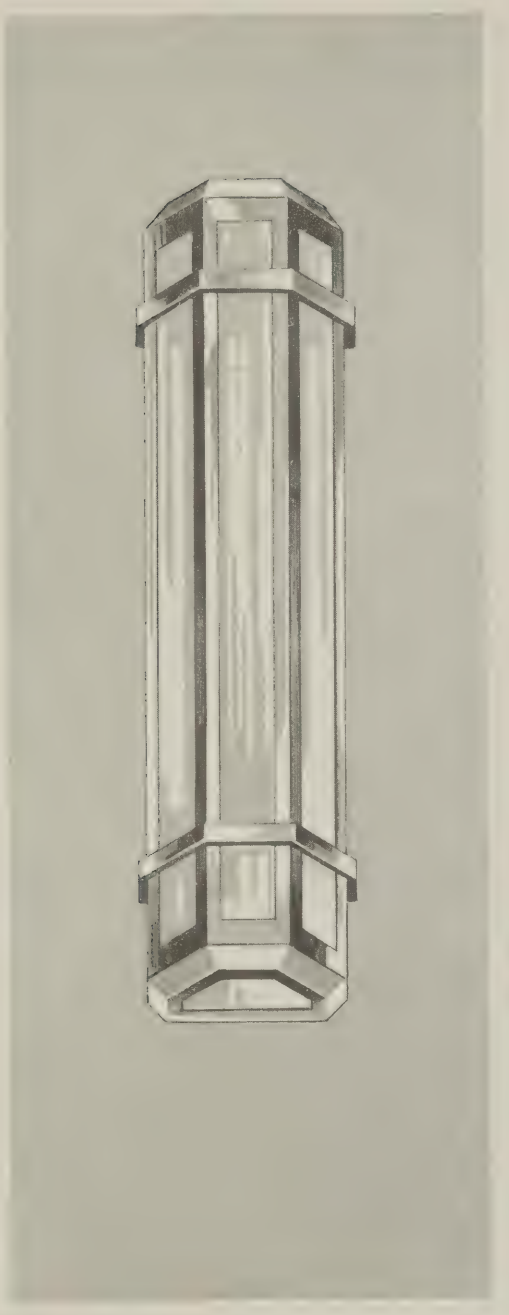
Leaded Glass Ceiling Fixture

Two lights. Bronze frame. Finished: Studio Bronze. Leaded white opal glass. Cast bottom.
Type A—Diameter, 16″; Extends, 12″ ..... **Price $40.00**
Type B—Diameter, 24″; Extends, 13½″ ..... **Price 69.00**
Type C—Diameter, 32″; Extends, 14¼″ ..... **Price 94.00**

C-3944

Leaded Glass Ceiling Fixture

Four lights. Made of bronze. Finished: Studio Bronze. Leaded White Opal Glass bowl.
Type A—Length, 48″; Diameter, 24″ ..... **Price $75.00**
Type B—Length, 54″; Diameter, 32″ ..... **Price 94.00**

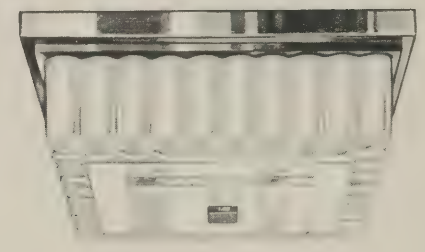


S-57381

Wall Bracket

Two lights. Made of bronze. Finished: Satin Cadmium. Crystal frosted glass panels. Length, 34″ overall. Width, 8″ overall. Extends, 5″ from wall.

Price, Each $100.00

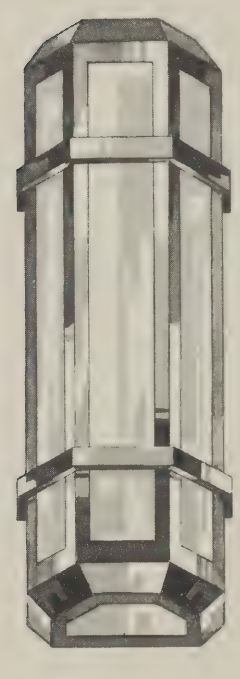


S-54235

Ceiling Unit

Four lights. Frame made of brass. Cast bottom knob. Finished: Satin Cadmium. Satin Crystal Cast Glass bowl. Width, 16½″ square overall. Extends, 5¾″ overall.

Price, Each $40.00

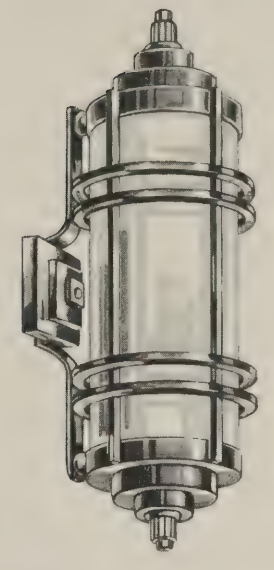


S-57382

Wall Bracket

Two lights. Made of bronze. Finished: Satin Cadmium. Crystal Frosted Glass panels. Length, 24½″ overall. Width, 8″ overall. Extends, 5″ from wall.

Price, Each $75.00



S-57759

Wall Bracket

One light. Made of brass. Finished: Polished Chromium. White Opal Glass Cylinder. Length, 27″ overall. Extends, 11½″ overall.

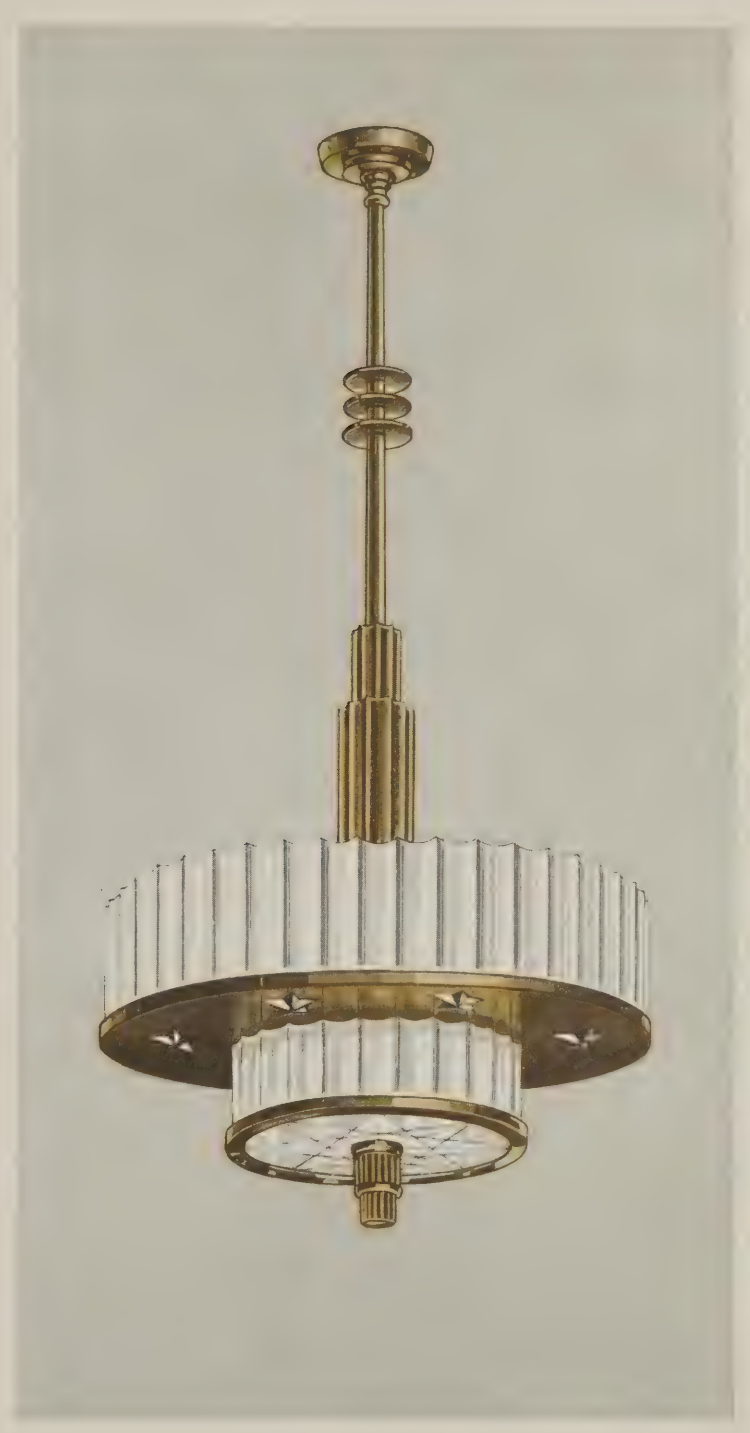
Price, Each $75.00

S-57166

Bracket Fixture

Two lights. Made of brass. Finished: Satin Chromium. Engraved Satinlite Glass panels. Length, 24″ overall. Width, 10½″ overall. Extension, 4¼″ overall.

Price, Each $65.00



S-12882

"Semi-Indirect" Pendant Fixture

Six lights. Made of brass and steel. Finished: Bronze and Satin Cadmium. Engraved Satinlite Glass Panel in bottom.

Type A—Length, 72″ overall; Diameter, 42″ overall.

Price, Each $135.00

Type B—Length, 60″ overall; Diameter, 30½″ overall.

Price, Each $115.00

EDWIN F. GUTH CO.

S-31460

Entrance Bracket with Arms

One light. Made of bronze. Finished: Antique Bronze. Clear Crystal Glass Panels. Height, 27″ overall. Width (including arms), 56″ overall.

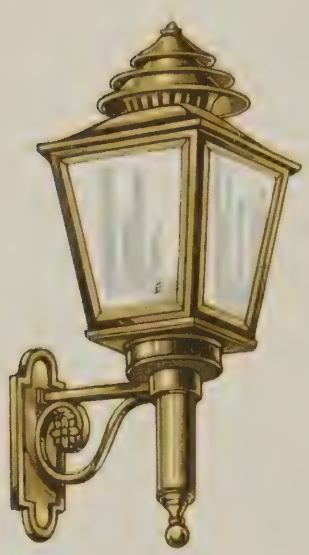
Price, Each $190.00

S-31457

Wall Lantern Bracket

One light. Made of bronze. Finished: Antique Bronze. Clear Crystal Glass Panels. Length, 23″ overall. Extension, 13½″ overall.

Price, Each $112.00



S-31498

Wall Lantern Bracket

One light. Made of bronze. Finished: Weatherproof Outdoor Bronze. Beveled Crystal Glass Panels. Length, 26″ overall. Extension, 12″ overall.

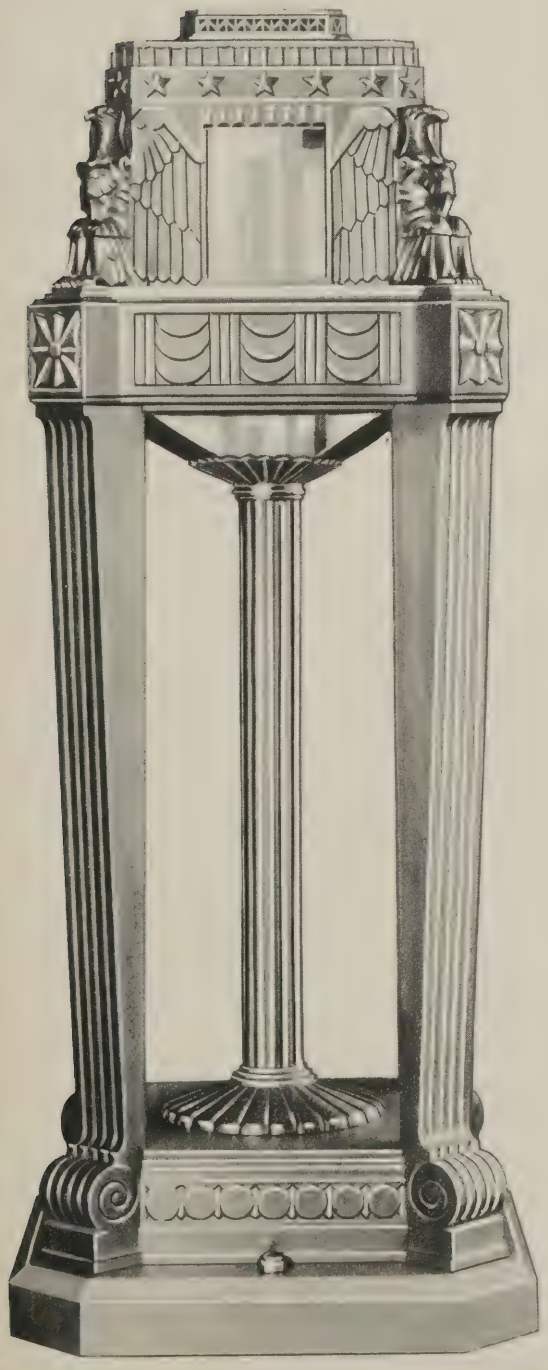
Price, Each $112.00

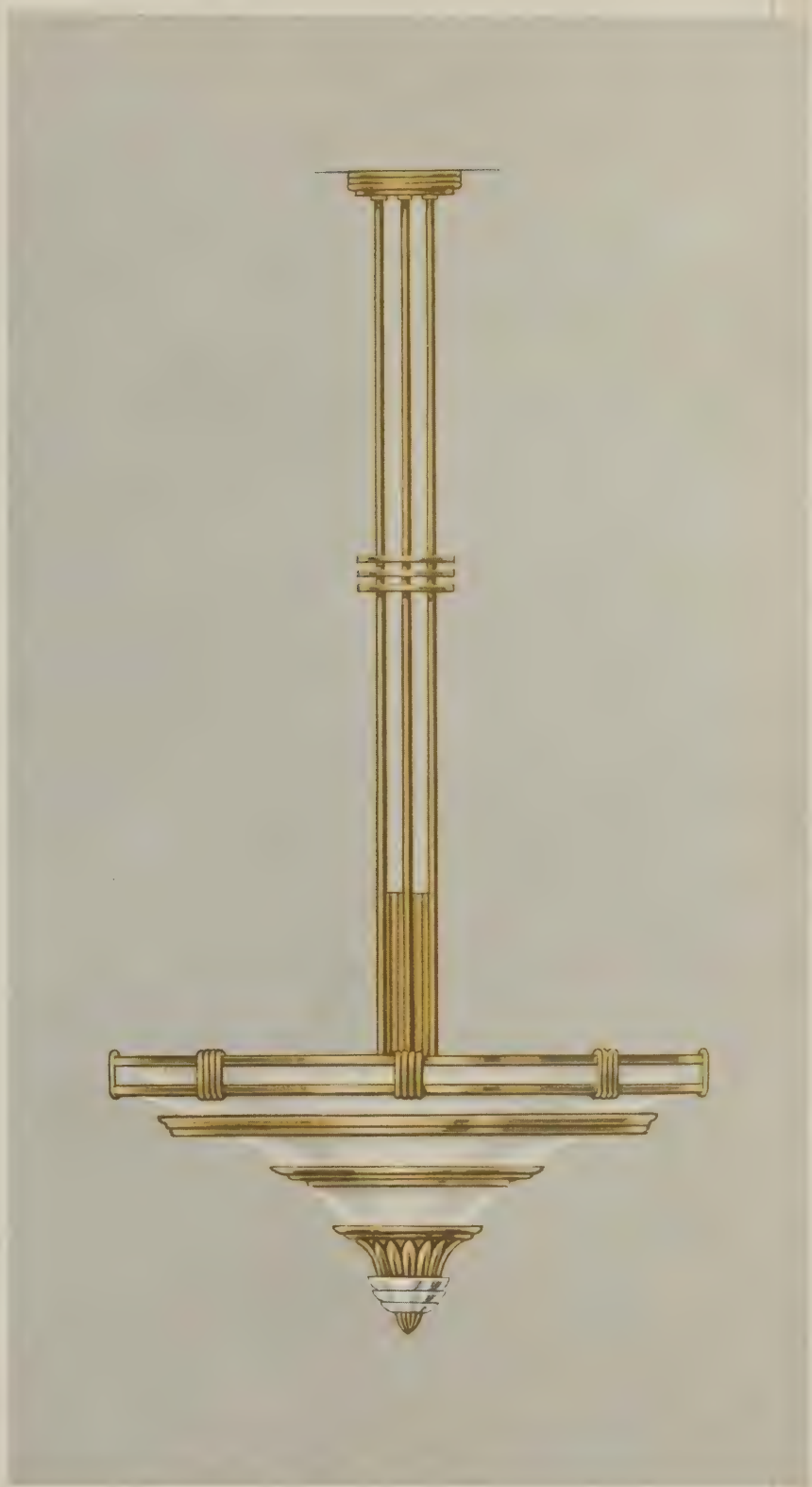
S-41211

Indirect Ceiling Luminaire

One light. Made of aluminum and bronze. Finished: outside, Satin and Polished Aluminum and Bronze; inside, Diffuse ALZAK. Length, 54″ overall. Diameter, 32″ overall.

Price, Each $106.00



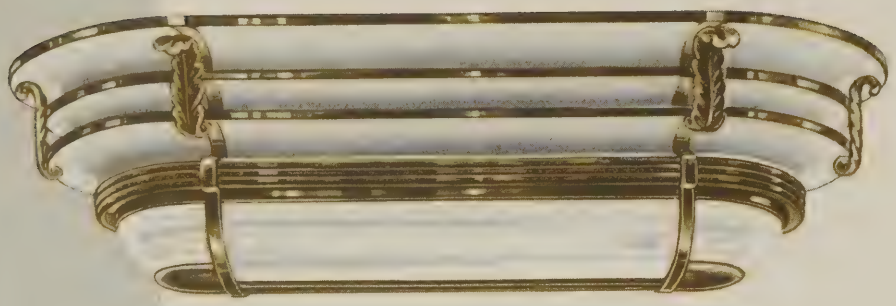


S-50327

Entrance Standard

Three lights. Cast of aluminum. Finished permanently by Alumilite. White Opal Glass Panels. Height, 71″ overall. Width, 25″ overall. Base, 28″ square.

Price, Each $1040.00



S-22019

Ceiling Fixture

Two lights. Made of aluminum and cast bronze. Finished: Satin and Polished Aluminum and gold. White Opal Bottom Glass. Length, 42″ overall. Width, 20″ overall. Extension, 12″ overall.

Price, Each $150.00

S-22021

Ceiling Fixture

Two lights. Made of aluminum and cast bronze. Finished: Satin and Polished Aluminum, and Gold. White Opal Glass bottom bowl. Diameter, 20½″ overall. Extension, 12″ overall.

Price, Each $65.00

S-57937

Half-Pocket Indirect Wall Bracket

Two lights. Made of aluminum and cast bronze. Finished: Satin and Polished Aluminum and Gold. Length, 58½" overall. Diameter, 17" overall.

Price, Each $115.00

S-22024

Round Ceiling Unit

One light. Made of brass. Finished: Satin Cadmium and Gold. White Opal Glass Bowl. Diameter, 11½" overall. Extension, 5¼" overall.

Price, Each $24.00

S-22023

Ceiling Fixture

Two lights. Made of brass. Finished: Satin Cadmium and Gold. White Opal Bent Glass Panels. Length, 22½" overall. Extension, 5½" overall.

Price, Each $50.00

S-31916

Semi-Indirect Fixture

Four lights. Cast and rolled of brass. Finished: Pewter and Gold. Engraved Satinlite glass bottom panel. Diameter 20¼" overall Length 28" overall.

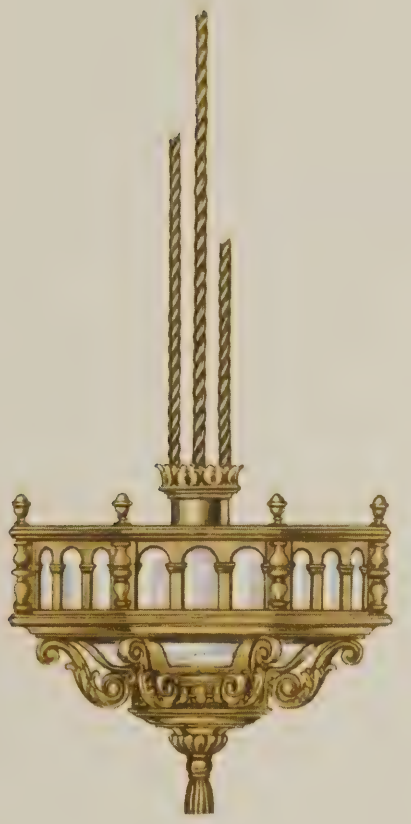
Price, Each $90.00

S-31738

Pendant Type Fixture

One light. Made of brass. Finished: Bronze. Polycase Glass Globe is etched and toned Tan. Length 48" overall. Diameter of globe, 16" overall.

Price, Each $125.00

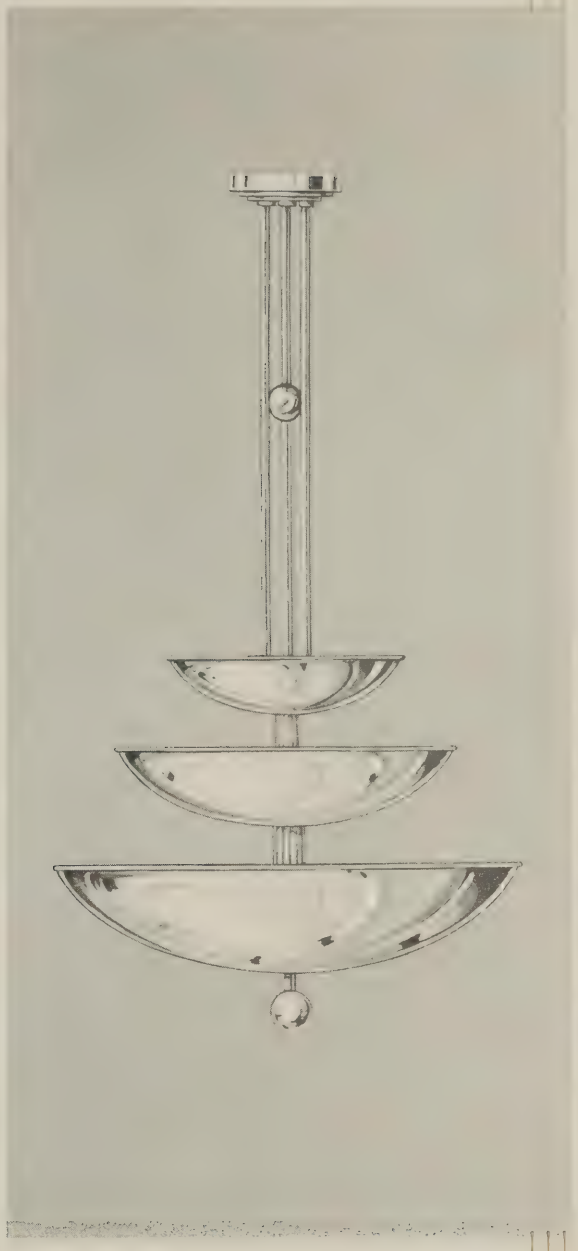


S-41054

Renaissance Lobby Fixture

Four lights, indirect. Cast bronze and spun aluminum. Finished: English Bronze and Pewter. Diameter 26½″ overall.

Price, Each $250.00



S-31919

Moderne Indirect Fixture

Nine lights. Cast bronze and spun aluminum. Finished: Outside, Polished Chromium and Satin Aluminum; Inside, Diffuse ALZAK. Crystal glass bottom ball. Diameter 20″ overall. Length 36″ overall.

Price Each $140.00

"CONCEALED-INDIRECT" LIGHTING

Concealed Reflector Re-Directing Light Rays from Indirect Source

WITH **ALZAK** SURFACE

The Guth "Concealed-Indirect" lighting principle, that of re-directing the light-rays from an indirect source by means of an auxiliary ALZAK reflector, delivers efficient illumination within definite floor areas. Diagram at bottom right of this page effectively demonstrates this principle.

The lamp-bulb light-source is totally eliminated from one's view, by a specular ALZAK snugly fitting reflector (marked "A" in cross-section below). The light-rays strike the scientifically designed auxiliary reflector (B) are re-directed through specially designed louvres (C), or opal glass if desired, delivering a light beam at approximately 45-degree angle. The special louvre minimizes glare, and the well-directed light renders a high quality of illumination.

● Unretouched photograph of "Concealed-Indirect" Luminaires installed in Southwestern Bell Telephone Co. office, showing even, glareless illumination.

To eliminate harshly contrasting dark ceilings, the pendant type "Concealed-Indirect" luminaires are equipped with sockets "D" to emit upward light supplementing the downward illumination. This added feature aids in better-seeing conditions.

The "Concealed - Indirect" luminaires are obtainable in various types and designs. On this and the following page are listed two pendant type "Concealed-Indirects." On page 22 is listed No. S22155, a pendant fixture of a more ornamental nature but combining the "Concealed-Indirect" principles. On page 23 is listed a ceiling type "Concealed-Indirect" and also, a recessed unit.

Many striking variations, featuring this principle, are possible, and colored sketches and blueprints will be submitted on request at no obligation. Lamps are not included in prices listed.

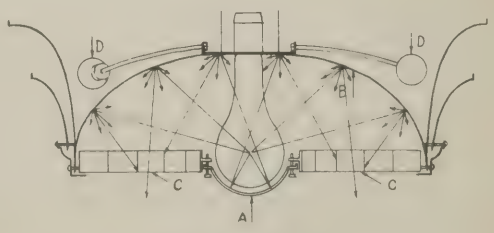
S22155
"CONCEALED - INDIRECT" PENDANT
Four Lights

● Spun aluminum, cast and sheet bronze. Finished: Inside diffuse and specular ALZAK; outside, Bank Bronze and Satin Aluminum. Length 48 inches overall. Diameter 26" overall.

Price each, **$112.00**

300-500 and 750-1500 watts same size unit. Specify wattage desired when ordering.

● Illustration of "Concealed - Indirect" principle demonstrates reflector (A) directing lamp light to auxiliary reflector (B). Light is then re-directed downward through louvres (C). "D" represents light source for ceiling illumination.

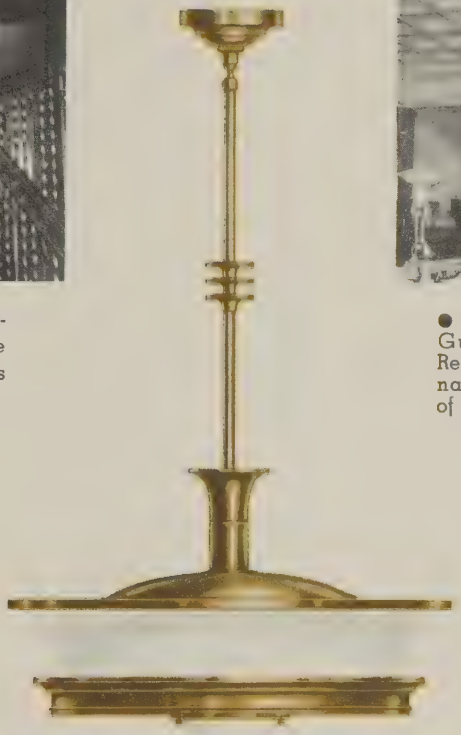


● Cross-section.

Guth "Concealed-Indirect" Lighting (Continued)

● KMOX of Columbia Broadcasting System installation of "Concealed-Indirect" recessed lighting. Note effective minimizing of glare by shielding direct rays of the light source.

● Fort Worth National Bank installation of Guth "Concealed-Indirect" luminaires. Result—pleasant and efficient general illumination yet preserving dignity and character of the bank's atmosphere.

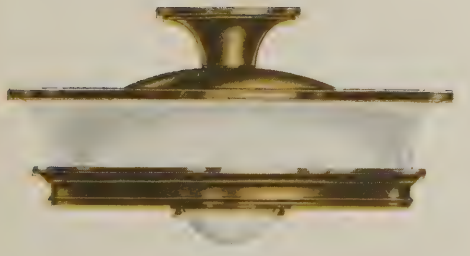


S-12984
"CONCEALED-INDIRECT" PENDANT

● Four lights. Aluminum and bronze. Finished inside Diffuse and Specular ALZAK; outside, Bank Bronze and Satin Aluminum. Length 36″ overall. Diameter 25″ overall.

Price Each $72.00

300-500 and 750-1500 watts, same size. Specify wattage when ordering.

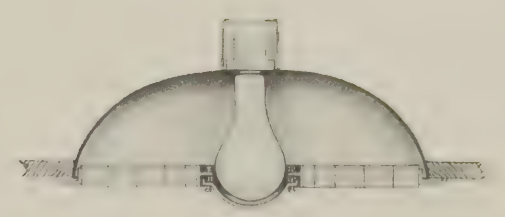


S-22156
CLOSE CEILING TYPE—
"CONCEALED-INDIRECT"

● One light. Spun aluminum and bronze. Finished: inside Diffuse and Specular ALZAK; outside Bank Bronze and Satin Aluminum. Length 13″ overall. Diameter 25″ overall.

Price Each $72.00

150-200, 300-500, or 750-1500 watts, same size. Specify wattage when ordering.



C-4121
RECESSED TYPE—
"CONCEALED-INDIRECT"

● One light. Formed of aluminum. Finished: inside Diffuse and Specular ALZAK. Ceiling hole required 19″ diameter. Outside flange diameter 22″ inches.

Price Each $45.00

150-200, 300-500, or 750-1500 watts, same size. Specify wattage when ordering.

EDWIN F. GUTH COMPANY

The "Nationally Advertised"

GUTHFAN CONDITIONAIRE

COMPLETE AIR CIRCULATION . . . UTILIZING COOLEST AIR

Lighting and Cooling Unit

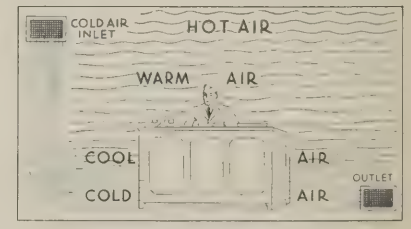
● **HOTEL LOBBY:** With GUTHFAN Cooling incorporated with Decorative Luminaires. Result, a startlingly beautiful lobby, well lighted and comfortably cooled.

● **GUTHFAN** Air-circulating principle of complete cycle circulation is best demonstrated above. GUTHFAN'S patented principle, draws the coolest air which lies in the lower portion of the room, to the blade, "bends" the air, and circulates this cooler air within a 15-foot radius. No drafts, no blasts, no colds, yet healthy air circulation.

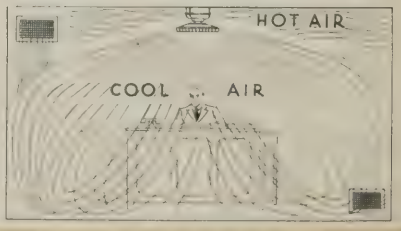
● **RESIDENCES:** Well-appointed and designed GUTHFAN Cooling and Lighting ideal for home use. Complete circulation—no colds, drafts, or blasts.

● **GUTHFAN CIRCULATION: (left)** is healthful, stimulating. A densely stagnant room is "Livened," refreshed by GUTHFAN cycle circulation. Food odors and cigarette smoke are quickly and completely dispersed.

● **GUTHFAN and Air Conditioning (right):** Air-conditioning problem due to improper circulation, causing variations in temperature. Guthfan's complete cycle circulation makes air conditioning more effective as it utilizes the cool air to the fullest extent. With Guthfans in use, less cooling air is required. Relieving the refrigerating unit effects savings that more than pay for the cost of Guthfans.



GUTHFAN and Air-Conditioning



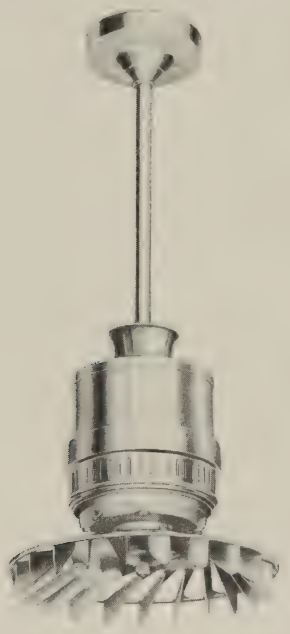
GUTHFAN CONDITIONAIRE (Continued)

Designs Applicable to Every Location

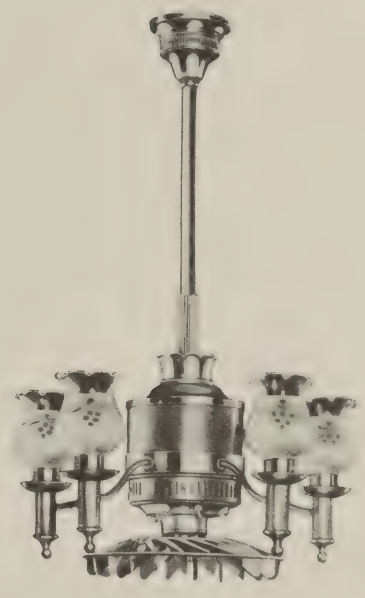
WRITE FOR FURTHER INFORMATION

R-4802—R-5255
Three Lights
Translucent natural mica side panels. Alabaster cased glass bottom panels. Metal finish. Silver.

Number	Watts Capacity	Lgth.	Diameter
R4802	600	44″	20″
R5255	750—1500	44″	22″

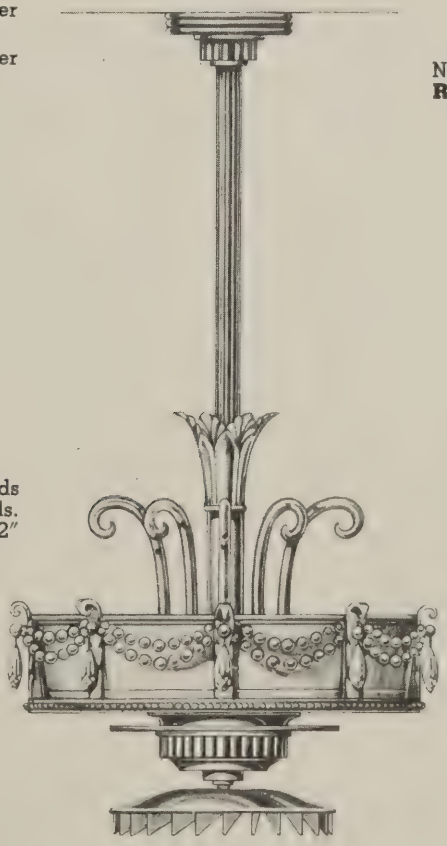


R-5365
No Lights — Spread 12″
Canopy stem and housing finished in polished chromium. Fan blade finished in Satin Silver.



R-5235
Five Lights
Metal finish, Georgian Green and Brass.
Dainty frosted, clear cut shades.

Number	Watts Capacity	Lgth.	Spread
R5235	200	44″	22″



No. S-31923
Satin and polished chromium. Glass crystal beads hang on sides. White radiant glass bottom panels. Wattage, 600; Diameter, 23″ overall; Length, 42″ overall.

Prices on application.

Please Write For Further Information.

The EDWIN F. Guth COMPANY

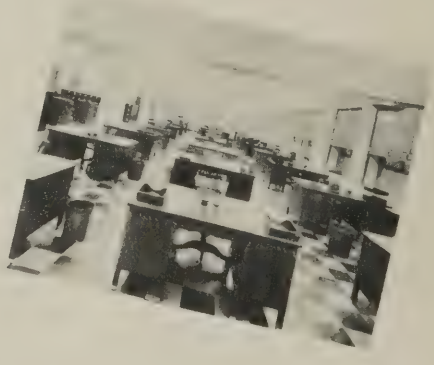
2615 Washington Blvd.
St. Louis, Mo.

INDIRECT LIGHTING

Soft, Glareless, Shadowless Illumination . . . Modern-Day Lighting Practice

"Sight is Priceless — Light is Cheap," is the generally accepted slogan in modern-day lighting practice. The soft, even, glareless illumination effected with Guth Indirect Luminaires is applicable to all type installations.

The advent of the ALZAK finishing process as applied to the intrinsically bright aluminum reflectors, has meant permanent and more efficient reflecting surfaces for this better type lighting. Guth engineers and designers are available to you and your lighting plans. There is no obligation and we will be happy to serve you in your layout problems. Thank you!



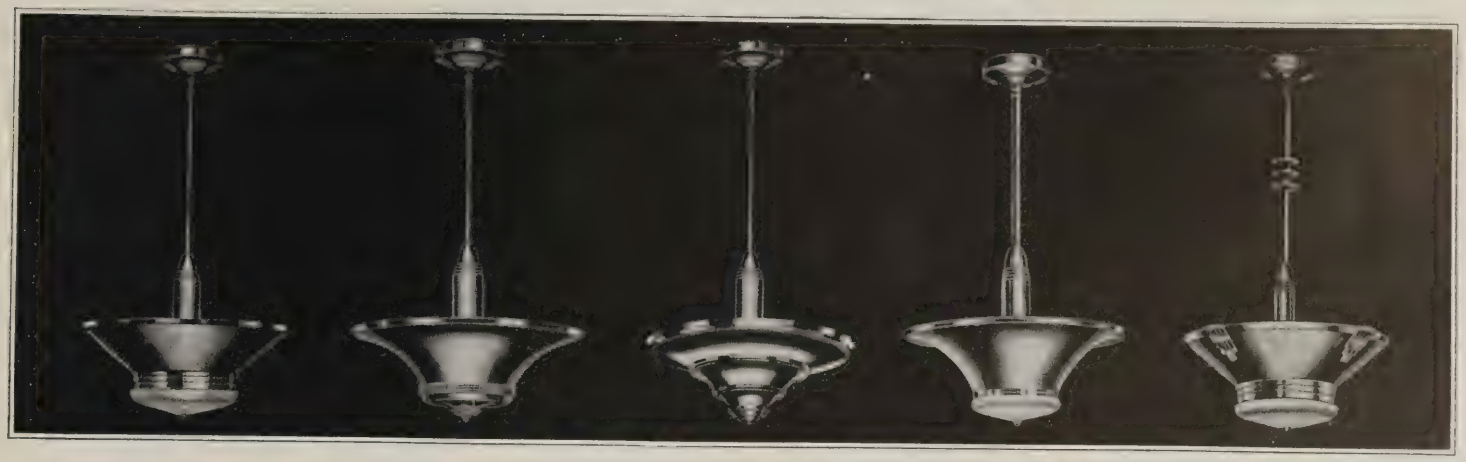
"Better Light . . . Better Sight"

Please write for Current Information

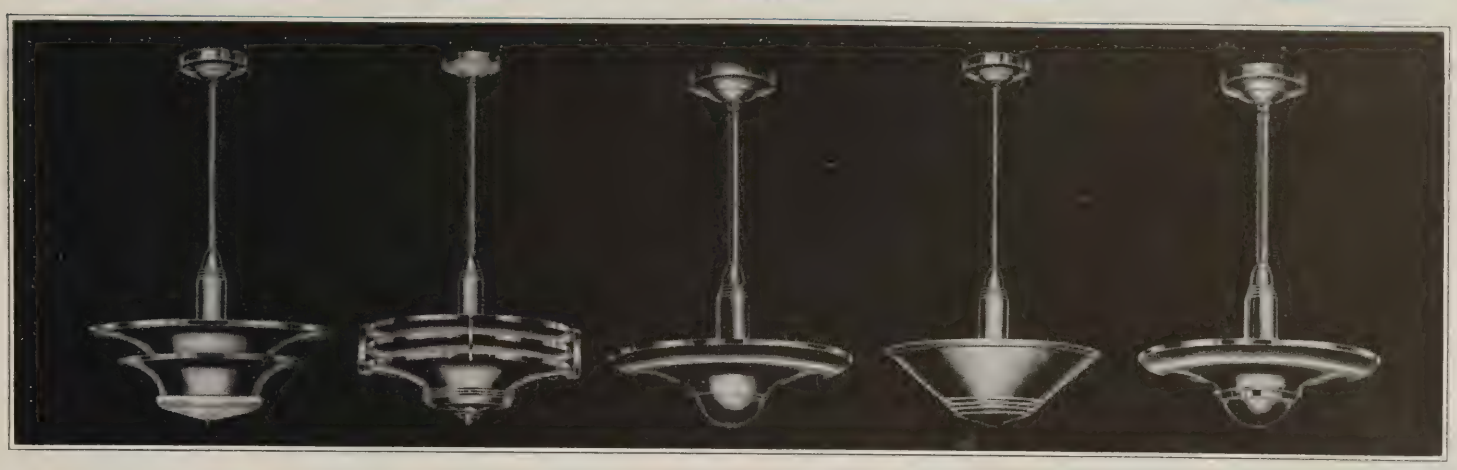
INDIRECT LUMINAIRES

*Efficient Modern Lighting... **ALZAK** and Porcelain Enamel Reflecting Surfaces*

"INDIRECT LIGHTING AT ITS BEST"



● SUPER ILLUMINATOR ● YORK ● ANCODA ● ESSEX ● KENT



● SUSSEX ● YORKLEIGH ● PUBLIC SERVICE LITE ● LUM-O-ZAK ● UTILITY-LITE

● MER-CO-LUX ● DIRECT-INDIRECT ● INDIRECT-LITE ● MODERNE-LITE ● SUPER-INDIRECT

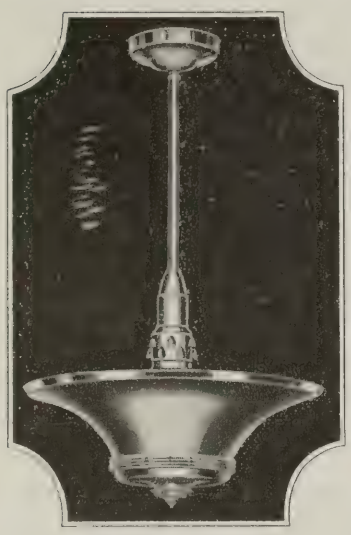
INDIRECT LIGHTING *For Every Purpose*

Indirect lighting is "as good as its reflecting surface." Two quality reflecting surfaces are available with Guth Indirect Luminaires—the new highly efficient ALZAK permanent finish on aluminum metal, and white glistening Porcelain Enamel finish on steel. Guth Company's specialization in indirect lighting with resultant volume production makes possible these efficient surfaces at competitive prices. The units listed above are available in sizes from 200 to 1500 watts. The MER-CO-LUX is for the new 250-watt or 400-watt Mercury Vapor lamps in combination with Mazda lamps.

EDWIN F. GUTH CO.—2615 Washington Blvd., St. Louis, Mo.

INDIRECT LIGHTING APPLICATIONS

Please Write for Current Indirect Literature



BI-POST UNIT
New Smaller Lamps and Luminaires.

NEW TYPE LAMPS

For Use With Guth Indirects

T24 BI-POST LAMP

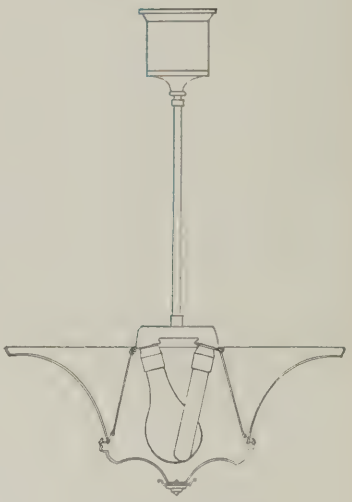
This new type lamp-bulb of 750 and 1000 watt size is smaller than conventional lamps of same wattage; a smaller size indirect unit can be used. Various Guth designed units are usable with this new lamp. Special socket and cover, wire, and refractory bushing are supplied to accommodate unusual characteristics of this lamp.

NEW PS35 300-WATT LAMP

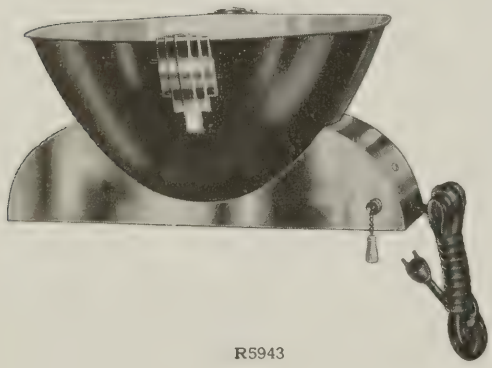
The new medium-base 300-watt lamp can be used in the 14″ size units. Special covers are furnished on option. See current Guth indirect catalog for further information.

MERCURY-VAPOR LAMP

The new Mercury-Vapor lamp produces 50% to 100% more light than ordinary light sources. When this lamp is used in combination with Mazda lamps, a very desirable color value is produced that insures visual acuity without eye-fatigue. The Guth MERCOLUX unit (right) with "Diagonal Spectral Assimilation" (Pat. Pend.) principle of crossing lamp centers, "fuses" the distinct color qualities of the two lamps, delivering a fidelity of the desirable color value to best advantage. Please write for further information.



MER-CO-LUX
Mercury and Mazda Combination.



R5943

R5630

INDIRECT-LIGHTING URNS

The Indirect type Floor-Urn (right) is one of many Guth designs of this type. These units are available in varied sizes and special designs will be submitted on request. Indirect urns to seat on pedestals and tables are also available. The R4720 is 68 inches high and lists at **$18.00.** For 200-300 watts. The R4770 is 72″ high, and lists at **$25.00.** For 300-500 watts.

"SHELV-A-LITE" (Left)

May be conveniently placed atop shelves, counters, file-cases, etc., and with its 10-foot rubber-covered cord and plug, is extremely portable. "Shelv-a-lite" reflector is tilted at 10-degree angle to direct light rays away from nearby walls. Baseboard or service outlets are usually heavily wired, which may eliminate excessive rewiring costs. The R5943 has base dimensions of 16″ x 5″ and is 9″ high; wattage, 300-500. List price, **$12.00** each, in standard package of two units. When only one is ordered the list price is **$13.00**.

LOW-CEILING INDIRECT (Left)

The absence of glare is so essential for low ceilings. Elimination of the light source from eye-view will mean improving visibility of merchandise and tedious office work. The R5630 renders the better lighting so desired for this type condition. The R5630 is for 100 to 200 watts capacity. The upper reflector is 17″ diameter and extends 10″ from the ceiling. The list price is **$8.50.**

R4720

DECORATIVE INDIRECTS

with **ALZAK** *reflectors*

• R5476

Reflector aluminum—Outside finished antique white. Inside finished diffuse ALZAK. Canopy finished antique white with gold band. Stem, antique white. Band and ornaments finished gold. Switch in canopy.

No.	Watt.	Extends	Hgt.	List
R5476	150	9½″	13½″	**$20.00**

• R5475

Reflector and canopy aluminum—outside finished antique white and gold. Inside reflector finished diffuse ALZAK. Socket cover aluminum. Finished antique white. Stem finished antique white and gold. Band, swivel and ornaments finished gold. Crystal glass balls.

No.	Wattage	Dia.	Lgth.	List
R5475	200	14″	25″	**$17.50**
R5637	300-500	18″	36″	**20.50**

• R5474

Reflector aluminum—outside finished pastel blue and antique white. Inside reflector finished diffuse ALZAK. Canopy finished antique white with gold band. Reeded brass stem and ornaments finished gold. Socket cover finished antique white. Crystal glass balls.

No.	Wattage	Dia.	Lgth.	List
R5474	100-150	12¾″	15″	**$19.50**

• R5750

Reflector aluminum—Finished diffuse ALZAK inside. Canopy and outside of reflector finished antique ivory and gold. Socket cover finished antique ivory. Stem, band and ornament finished gold.

No.	Wattage	Dia.	Lgth.	List
R5750	200	14″	15″	**$11.50**

NEW INDIRECTS

(Patent Pending)

These new Guth Indirects are perfectly proportioned luminaries for home living rooms, dining rooms, sun rooms, bedrooms; rest and lounging rooms in clubs and hotels.

Small concealed port holes under the decorative band and inside the bottom disc of the reflector permit a small amount of reflected light to illume the exterior of the reflector, enhancing its beauty.

Any color may be sprayed inside the bottom of the reflector making possible a change in color harmony.

• R5749

Reflector aluminum—Finished diffuse ALZAK inside. Outside reflector and socket cover finished antique white. Canopy finished antique white and gold. Stem and band finished gold.

No.	Wattage	Dia.	Lgth.	List
R5749	100-150	12¾″	15″	**$12.00**

SPECIAL INDIRECT *and* ORNAMENTAL LIGHTING

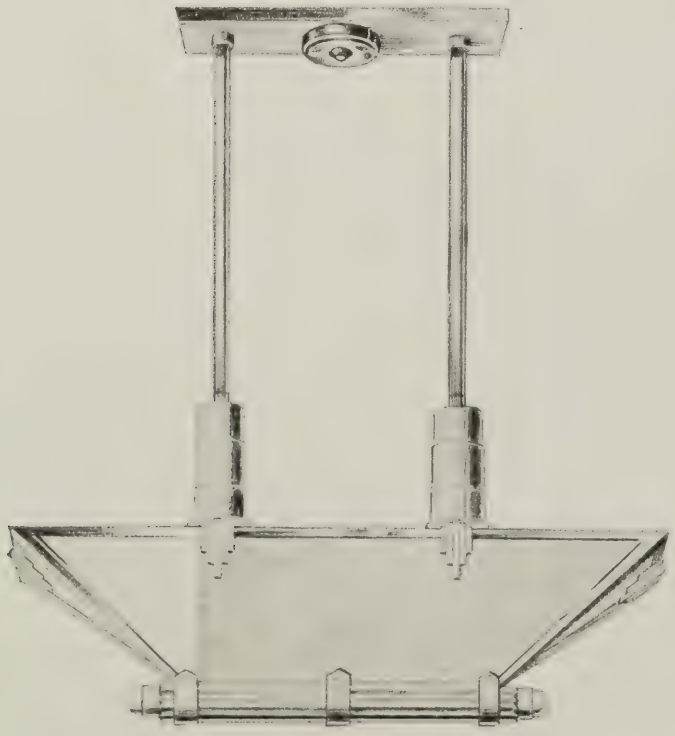
Unusual Lighting Effects . . . Decorative and Efficient

R5775 — 4 Lights

Reflector Aluminum — Finished Diffuse ALZAK Inside — Outside Finished Satin Aluminum. Ceiling Plate Brass—Finished Satin Udylite. Stems Brass—Finished Polished Chromium.

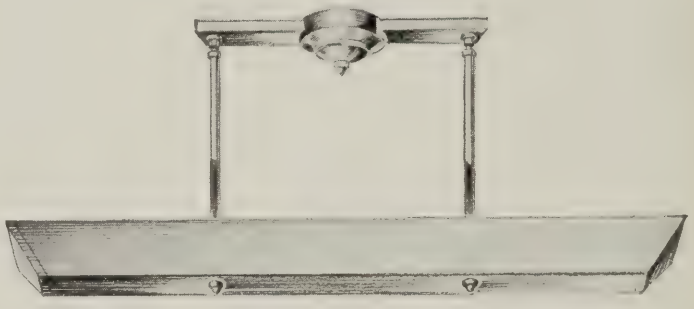
Two bottom panels have light leaks for illumination of reflector exterior.

Cat. No.	Sockets	Wattage	Reflector Length	Reflector Width	O.A. Drop	List Price
R5775	4 Mog.	1200-2000	48″	13″	42″	**$89.00**



R5798

Many beautiful lighting effects may be accomplished by suspended type trough shaped equipment. Totally indirect, surface illuminated, or moulded glass troughs are obtainable, and may be "tailored" for the job. The advent of ALZAK finish, which electrolytically and permanently brightens aluminum metal, has made possible very effective reflecting surfaces for this type lighting. On this page and the next we are illustrating various suggestions. We will submit designs for any style, shape, or size; and made of any metal whether sheet, cast, or extruded. Our practical construction and lighting efficiency of indirect lighting equipment are unsurpassed.



R5776 — 4 Lights

Reflector Aluminum—Inside Finished Diffuse ALZAK—Outside Finished Dull ALZAK. Ceiling Plate Brass—Finished Satin Udylite. Stems Brass—Finished Polished Chromium.

Cat. No.	Sockets	Wattage	Reflector Length	Reflector Width	O.A. Drop	List Price
R5776	4 Med.	600-800	54″	7″	36″	**$39.50**

R5798 — 2 Lights

Reflector Aluminum—Inside Finished Diffuse ALZAK. Exterior Dull ALZAK—Polished Trim. Fluted Glass Cylinder. Ceiling Plate Brass—Finished Satin Udylite. Stems Brass—Finished Polished Chromium.

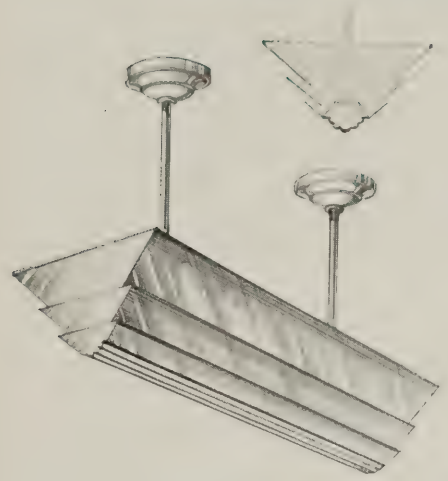
Cat. No.	Sockets	Wattage	Reflector Length	Reflector Width	O.A. Drop	List Price
R5798	2 Mog.	750-1500 1500-3000	44″	20″	40″	**$109.00**

Glass Cylinder 26½″ Long.

Small area of glass cylinder exposed towards lamp, permitting enough light to reflect through to produce a pleasing decorative effect.

TROUGH AND STRIP LIGHTING

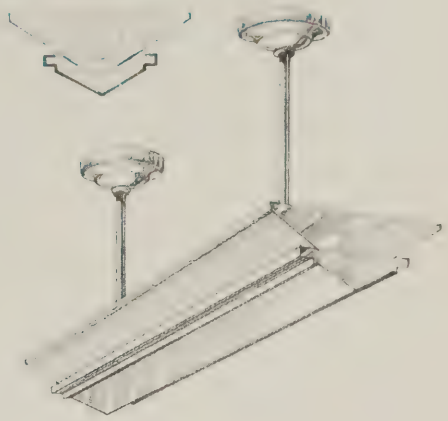
Included in Architectural Treatment for Striking Effects



M1116

Reflector of aluminum with brass hanger. Reflector finished Satin ALZAK, hanger, Polished Chromium. Light-spill illuminates exterior through louvres. Four lights per four-foot section. 12″ wide, 6″ deep, for lamps up to 200 watts.

Price in 4′ lengths, **$115.00,** includes hangers and ends.

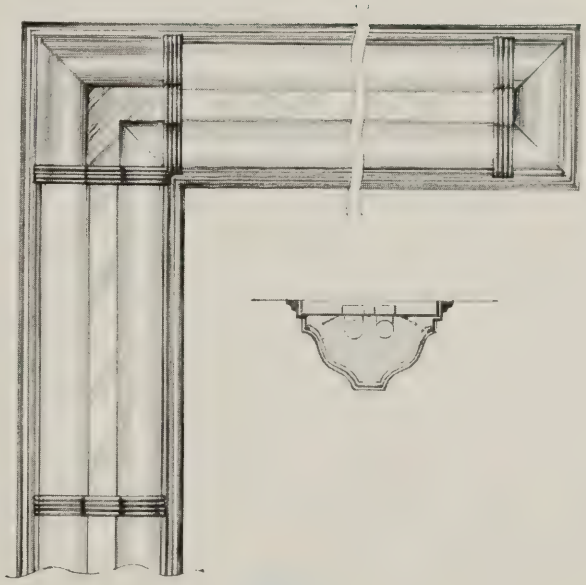


M1117

Reflector of aluminum with brass hanger. Reflector finished Satin ALZAK, hanger, Polished Chromium. Light-spill through louvre illuminates exterior. Four lights per four-foot section.

12″ wide, 6″ deep, for lamps up to 200 watts.

Price in 4′ lengths, **$97.00,** includes hangers and ends.



M1118

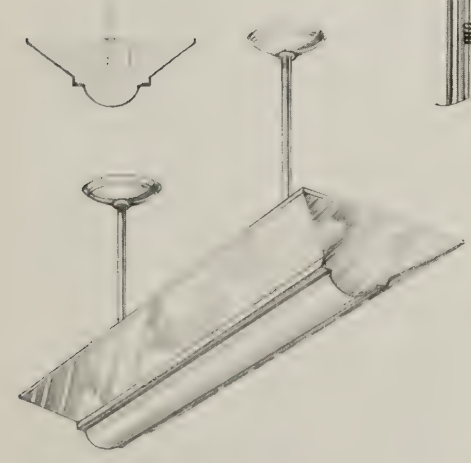
Flush glass strip lighting. Cast Satin Crystal or Opal Glass Channels. Polished and Satin Cadmium, brass frame and glass supports. With separate inside ALZAK reflecting surface. For Double-row, continuous Lumiline lamps, specify 12″ or 18″ size.

12″ wide, 9″ deep.

Price per section (24″ long each section), **$25.00.**

Price for square corner, **$22.00** each extra.

Price of each end, **$18.00** each extra.

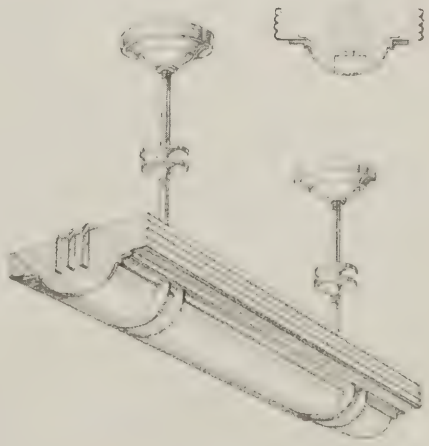


M1119

Reflector of aluminum with brass hanger. Reflector finished Satin ALZAK, hanger, Polished Chromium. Four lights per four-foot section.

12″ wide, 6″ deep, for lamps up to 150-watts.

Price in 4′ lengths **$70.00,** includes hangers and ends.



M1120

Reflector extruded and rolled aluminum. Brass hanger, finished Chromium. Reflector finished Satin ALZAK. Four lights per four-foot section.

10″ wide, 5″ deep, for lamps up to 150-watt.

Price in four-foot lengths, **$120.00,** includes hangers and ends.

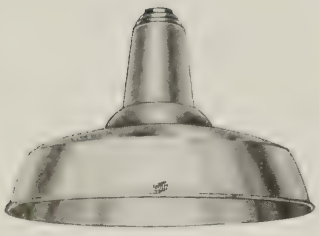
See Page 72 for Surface Troughs and Strips.

"TRIPLE A" ALZAK ALUMINUM REFLECTORS

Electrolytically Brightened Aluminum . . . Permanently Efficient

Guth Socket Reflectors are available in: 1. Dome Type, for efficient general lighting; and, 2. Deep Bowl Type, for Localized Lighting as over machines, benches, etc. Guth engineers will gladly aid in laying out and recommending the needed type of equipment for each location.

"TRIPLE A" SOCKET REFLECTORS



• No. AAA08
Standard Dome Type

STANDARD DOME TYPE

72° Light Cutoff—For general lighting

Cat. No.	Wattage	Price	Diam.	Height	Std. Pkg.
AAA05	75-100	**$4.10**	12″	7½″	10
AAA06	150	**4.50**	14″	8¾″	10
AAA07	200	**5.35**	16″	9¾″	10
AAA08	300-500	**6.90**	18″	11½″	5
AAA09	750-1500	**9.30**	20″	14¼″	5

• No. AAA55
Deep Bowl Type

DEEP BOWL TYPE

60° Light Cutoff—for Localized Lighting

AAA51	50-60	**$3.70**	7″	7½″	10
AAA53	75-100	**4.10**	8″	8½″	10
AAA55	150-200	**4.50**	10″	10⅜″	10
AAA57	300-500	**6.80**	12″	12¾″	5

Notes: Pull-chain sockets, medium base size, will be supplied on request at $1.00 list extra. Shock-absorbing sockets will be furnished on request at $0.15 list additional.

Wires or lamps not included in above prices.

"THREADAX" REFLECTORS

REFLECTOR AND LAMP AS ONE UNIT, "SCREW-IN-LIKE-A-LAMP-BULB"

The "Threadax" is made in two parts. A separate cast hood, for conduit or box, with terminal wiring base is permanently wired to "hot" leads. The reflector, lamp-holder, and lamp, as one complete unit, is screwed into the cast hood. This facilitates cleaning and is a decided safety advantage in that the reflector and lamp may be taken down, without being unwired, for cleaning. The maintenance man does not have to clean reflectors while on the ladder.

• Threadax Dome Type

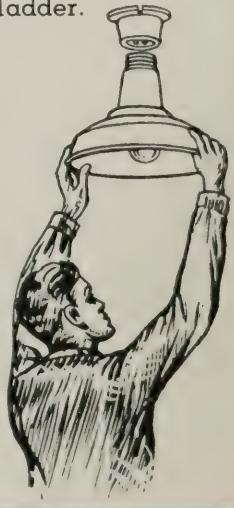
WITH PENDANT CAST HOOD—FOR CONDUIT

Cat. No.	Wattage	Price	Diam.	Height	Std. Pkg.
PEX05	75-100	**$7.10**	12″	10¼″	10
PEX06	150	**7.50**	14″	11½″	10
PEX07	200	**8.75**	16″	12½″	10
PEX08	300-500	**9.80**	18″	14¼″	5
PEX09	750-1500	**12.90**	20″	17″	5

WITH CEILING CAST HOOD—FOR CEILING BOX

CAX05	75-100	**$ 7.10**	12″	9½″	10
CAX06	150	**7.50**	14″	10¾″	10
CAX07	200	**8.75**	16″	11¾″	10
CAX08	300-500	**9.80**	18″	13½″	5
CAX09	750-1500	**12.90**	20″	16¼″	5

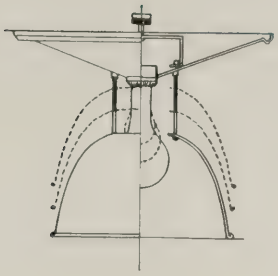
"Threadax" also available for Deep Bowl Reflectors.



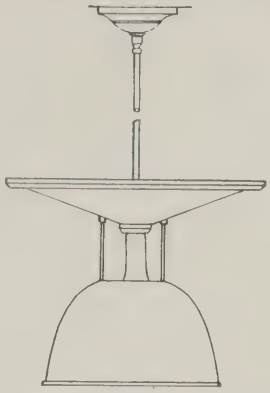
ALLITE--ALZAK ALUMINUM

Eliminates Dark Ceilings . . . Angle Adjustability

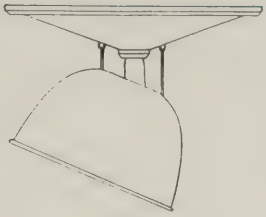
75-200 WATT CAPACITY



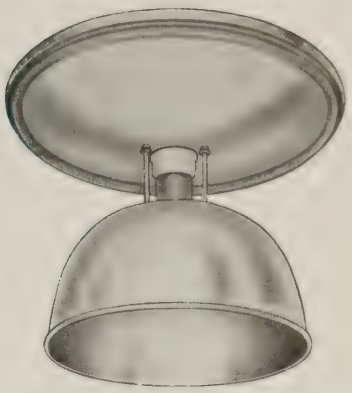
Adjustability: For Lamp sizes from 75 to 200 watts. Simple and quick method for adjustment.



R5987: ALLITE mounted on pendant stem. Listed below.



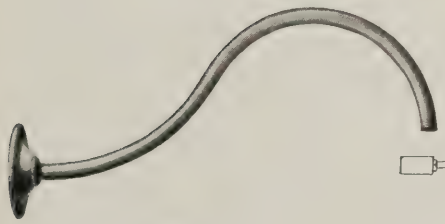
Adaptability: Where well-directed light is essential, the ALLITE is easily adapted to direct lighting at any angle up to 40-degrees.



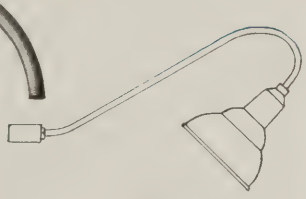
• R5986

Cat. No.	Wattage	Price	With Stem and Canopy	Dimensions Bowl	Plate	O.A.Lgth.	Std.Pkg.
R5986	75-200	**$4.90**	No	9″	12½″	10½″	10
R5987	75-200	**7.40**	Yes	9″	12½″	30″	10

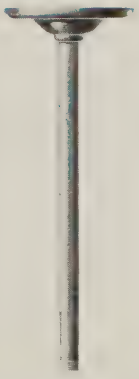
HANGERS *and* BRACKETS



• R200
½″ Gooseneck Bracket Sprayed Aluminum. Extends 24″.
Price $2.50

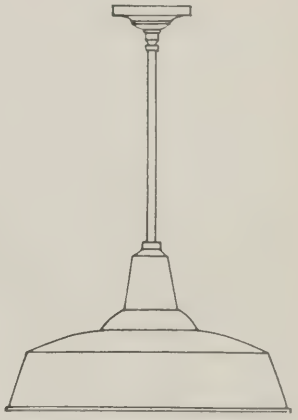


• R202
Chromium Brass Stem and Outlet Box Seat. Extends 28″
Price (less Reflector) $3.50



• K1143
½″ Iron Conduit Stem with Slip Canopy and Hickey. Length 48″ O. A. Sprayed aluminum finish.
Price $2.50

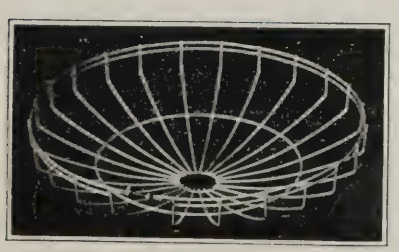
• K1144
Reinforced Cord with 4″ Porcelain Box Cover. Length 48″ O. A.
Price $1.25



• R201
⅝″ Brass Stem with Brass Swivel and Aluminum Canopy. Lgth 24″ O. A. Chromium finish. Bushed for reflector ½″ fitting.
Price (less Reflector) $3.00

REFLECTOR GUARDS

Made of Heavy Tinned Wire — Bright Finish



• Bottom Guard

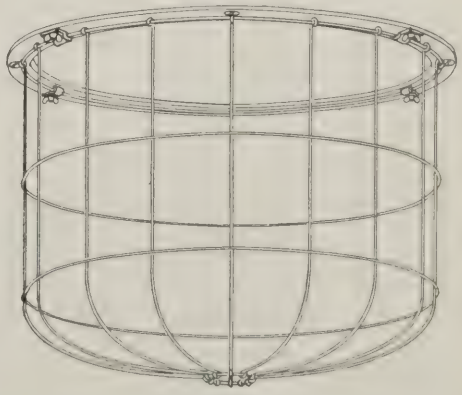
Cat. No.	Fits Reflector Diameter	Price
R208	8″	$1.85
R210	10″	1.95
R212	12″	2.05
R214	14″	2.25
R216	16″	2.90
R218	18″	3.25
R220	20″	4.00

FOR BOTTOM OF REFLECTOR

Cat. No.	O.A. Width	O.A. Depth	Price
G3677	10″	9″	$5.70
G3678	12″	11″	6.30
G3679	14″	12″	7.00
G3680	16″	14″	8.30
G3681	18″	16″	9.30
G3682	20″	18″	11.00
G3676	22″	20″	12.75

COVERS ENTIRE REFLECTOR

Standard package 10 of One Unit.



• Total Guard

• Dome Type

• Deep Bowl Type

"TRIPLE A" ALZAK SHADEHOLDER REFLECTORS

Weigh only one-third as much as Porcelain Enamel

Ideal for Socket Suspension

DOME TYPE—72° LIGHT CUTOFF

Cat. No.	Wattage	Price	Diameter	Height	Fitter
AAA72	75-100	**$2.50**	12″	5½″	2¼″
AAA74	150	**2.90**	14″	6¾″	2¼″
AAA76	200	**3.30**	16″	7¾″	2¼″
AAA78	300-500	**4.80**	18″	8″	3¼″

DEEP BOWL TYPE—60° LIGHT CUTOFF

AAA71	50-60	**$2.00**	7″	4¾″	2¼″
AAA73	75-100	**2.75**	8″	5½″	2¼″
AAA75	150-200	**3.00**	10″	8¼″	2¼″
AAA77	300-500	**4.80**	12″	9½″	3¼″

NOTE: Price is for reflectors only. The "Triple A" shadeholder reflectors are adaptable for use with special "snap-in" necks of other manufacturers. Standard package of above units is ten.

• Gloss Alzak Diffuser

"TRIPLE A" • GLASS—ALZAK DIFFUSER

For "Better Light—Better Sight"

Genuine ALZAK aluminum reflector with diffusing glass globe which eliminates, to a large degree, glare and eye-strain. The ALZAK aluminum reflector absorbs less of the short-waves of light (blues and violets) than other mediums, and the resultant light is therefore "whiter."

Cat. No.	Wattage	Price	Diameter	Height	Glass
AAA40	100-200	**$12.00**	18″	12″	G6830
AAA41	300-500	**16.50**	20″	16″	G6831
AAA42	750-1500	**24.25**	24″	18½″	G6832

Units are packed one to a carton. Wire or Lamps not included.

• Beam Light
with Rubber Cord and Plug Attached.
See Notes.

BEAM LIGHTS—OPEN TYPES

FLOOD TYPE—60° LIGHT CUTOFF—DIFFUSE REFLECTING SURFACE

Cat. No.	Wattage	Price	Diameter	Reflector Length	Height of Base
FL101	75-100	**$5.00**	8″	8¾″	6″
FL102	150-200	**6.00**	10″	10¾″	8″
FL103	300-500	**9.50**	12″	12¾″	8″

SPOT TYPE—30° LIGHT CUTOFF—SPECULAR REFLECTING SURFACE

FL111	75-100	**$6.30**	8″	8¾″	6″
FL112	150-200	**7.50**	10″	10¾″	8″
FL113	300-500	**11.50**	12″	12¾″	8″

NOTE: Standard package is one unit. When 6-foot rubber cord with plug is required (same as in illustration), add $0.75 list additional. The standard units listed above come without cord and plug.

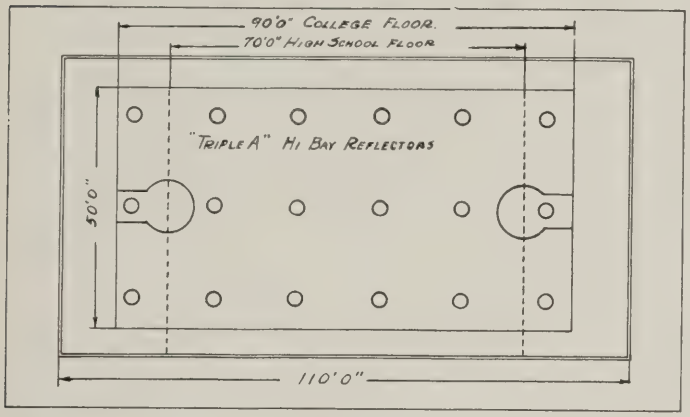
SPORTS *and* RECREATIONAL LIGHTING

Bright Even Illumination . . . Light Source Practically Concealed

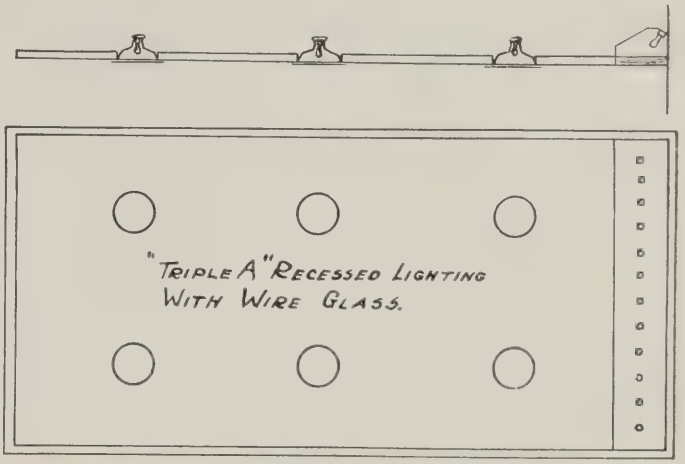
Reflectors ALZAK Aluminum

Illustrated below are layouts for illuminating various sports and recreational areas. Guth engineers are available at all times to submit detailed and complete analysis for specific areas. Consideration should be made in spacing of lighting units so as to provide bright even illumination; smoothness of bright light is highly desirable. The units must be accessible, easily cleaned, and of proper design to conceal the light source as much as possible.

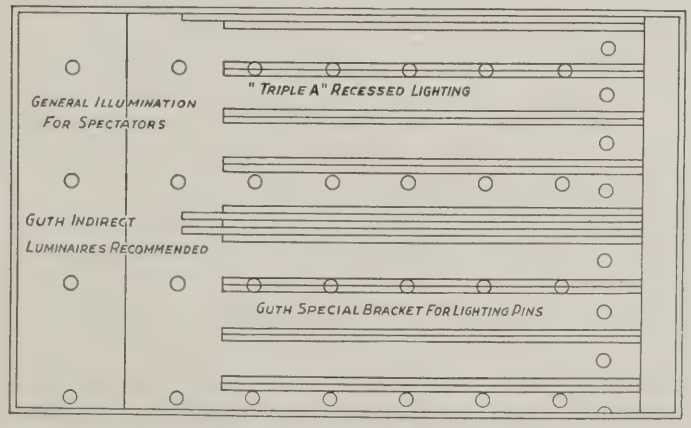
Recommendations below are for Open Mounting or Recessed Lighting; wattage requirements for each are approximately the same. Where wire glass or guard is used, wattages should be increased slightly.



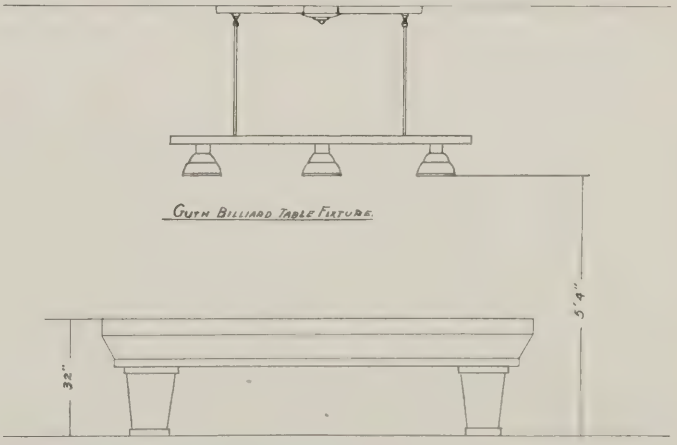
Basketball Lighting: Fifteen foot-candles of uniform light is desired. Above diagram is plan for a gymnasium floor. Ceiling height further determines wattages to be specified. In many cases with lower ceilings, lighting units are spaced at closer intervals to provide the uniformity of illumination that is desired. "Triple A" Nos. AAA15 and AAA17 (page 32) open mounting are recommended.



Handball, Racquet, and Squash: These games are very fast and the "eyes" must accurately "follow" the ball. Therefore, 25 foot-candle intensity is desired. 50 foot-candles is recommended at the "front" or playing wall to watch "rebounds" more carefully. "Triple A" recessed units (see pages 61 and 62) with wire glass covering are recommended in the floor area, and recessed trough lighting (page 36) at "front" wall.

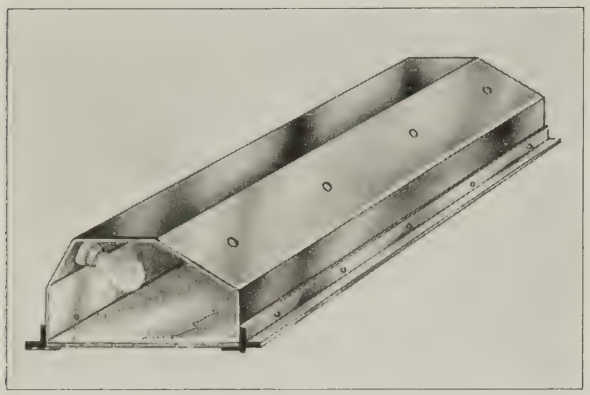


Bowling Alleys: The surface of the alleys should be uniformly illuminated at 10 foot-candle intensity. "Triple A" recessed units (page 61) are very effective. Bowling pins should be illuminated to 25 foot-candles (use R-202, page 33). Indirect luminaires (page 27) invitingly illuminate spectator areas.



Billiards and Pool Tables: Very even illumination of 25 foot-candles is required on the tables. Guth "Triple A" Unit M1136 (page 36) is recommended. General lighting of 10 foot-candles, preferably indirect luminaires (page 27) should supplement localized table lighting so as to avoid harsh lighting contrasts.

Write or call us for more detailed information — Thank you.



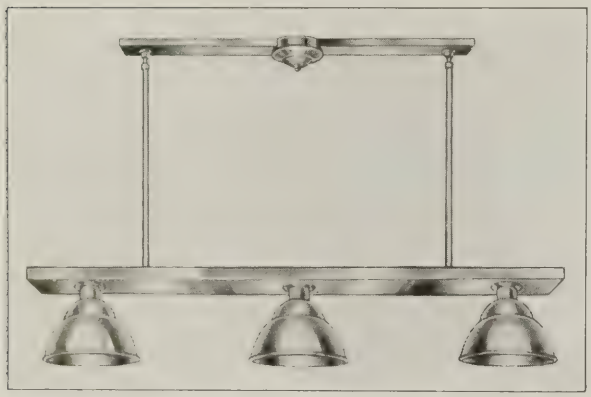
RECESSED LIGHTING TROUGH

For Handball, Racquet and Squash Courts

Made of heavy gauge aluminum, specially treated for high efficiency and permanence by ALZAK, this recessed lighting trough is designed to reflect light **against** the "front" or playing wall of handball, racquet, and squash courts (see page 35). 100, 150, 200 or 300-watt lamps can be used. Medium base porcelain sockets are spaced each 12 inches. A rigid frame with wire glass protects the reflector and lamps.

Cat. No.	Med. Base Porc. Skts.	Ceiling Opening Width	Frame O.A. Width	Price in 6′ 0″ Sections
M1135	Every 12″	18″ Full	20½″	**$75.00**

Notes: New 300-watt PS-35 medium base lamp. Lamps and wire not included in above price.

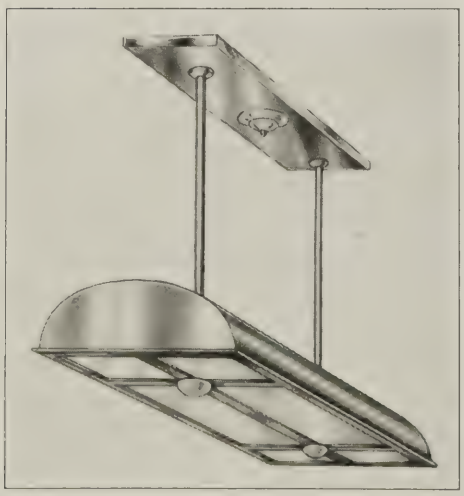


BILLIARD TABLE FIXTURE

Supplementing general lighting (see page 35) this brass chromium-plated Billiard Table fixture with three 75 to 100-watt Deep Bowl ALZAK aluminum reflectors, evenly and brightly illuminates the playing table. The Deep Bowl reflectors prevent all glare.

Cat. No.	Lgth. from Ceiling	Fixture Lgth.	Lights	Wattage	Price
M1136	4′ 0″	5′ 6″	3	225-300	**$57.50**

For additional length, add $1.20 list extra.



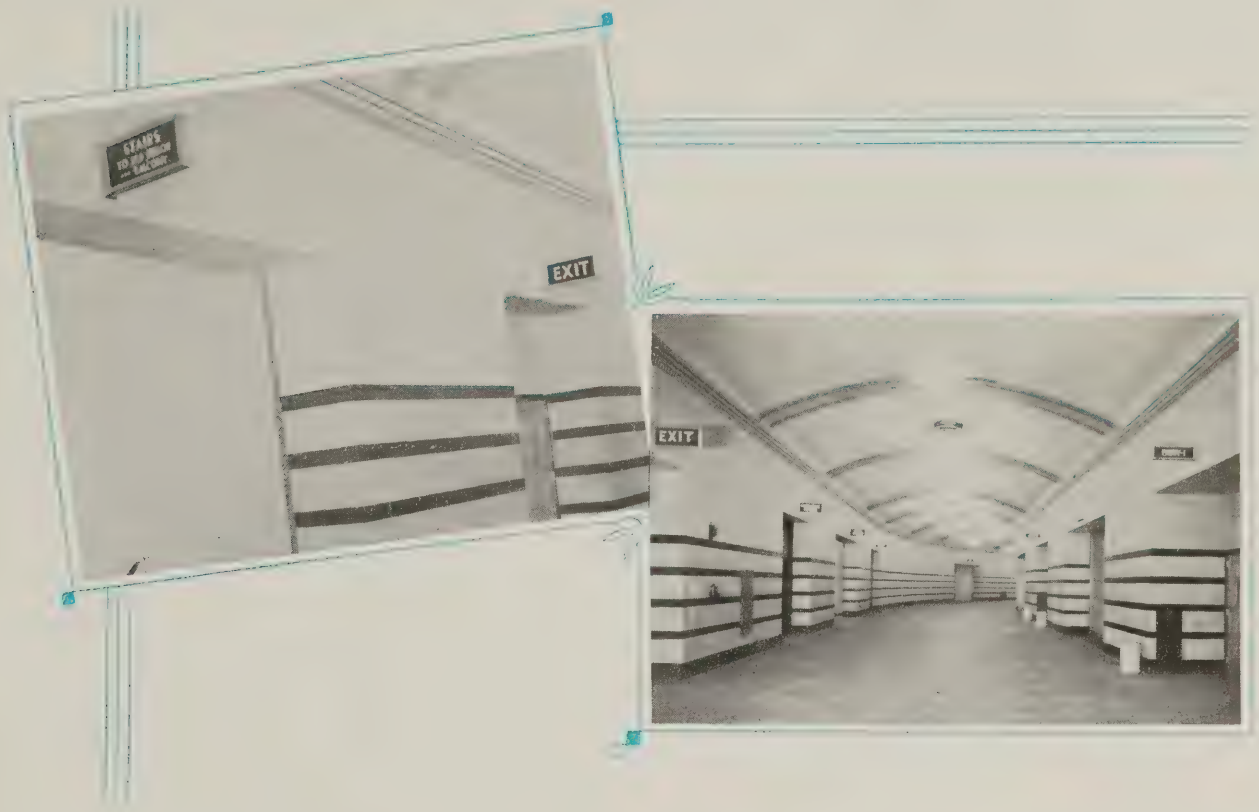
COMPOSITOR REFLECTOR

For Printing Establishments

Efficient, wide-angle reflector of ALZAK aluminum to evenly and effectively illuminate type-setting tables. Light source is of "Concealed-Indirect" principle (see page 22). Opal diffusing glass bottom. Fixtures finished satin aluminum. Other sizes of this fixture can be furnished. Full information upon request.

Cat. No.	Lights	Wattage	Dimensions Length	Dimensions Reflector	Price
M1137	2	600 or 1000	4′ 0″	5′ 6″ x 2′ 0″	**$140.00**

Additional stem length, add $1.20 per foot to list price.



EXIT *and* DIRECTIONAL SIGNS

Functional Beauty . . . . Built to Last . . . . Quality Signs

Guth quality interior and exterior EXIT and DIRECTIONAL Signs have, for many years, been favorably known to architects and builders, and are widely used in public, semi-public, and commercial buildings. This bulletin presents a larger assortment including several more decorative designs; but in addition to these, the company has other designs adapted to many purposes, and is prepared to furnish special designs upon request.

Design and Construction: Guth artists and designers have combined beauty of line with highest degree of utility. Also, they have embodied practical structural features and have specified cast bronze or extra heavy gauge metals of brass, copper, and aluminum. Guth Exit Signs are rigidly and sturdily manufactured.

The lamp sockets used are approved by Underwriters' Laboratories and are furnished unwired. The special cased glass used is highly legible and is illuminated very evenly.

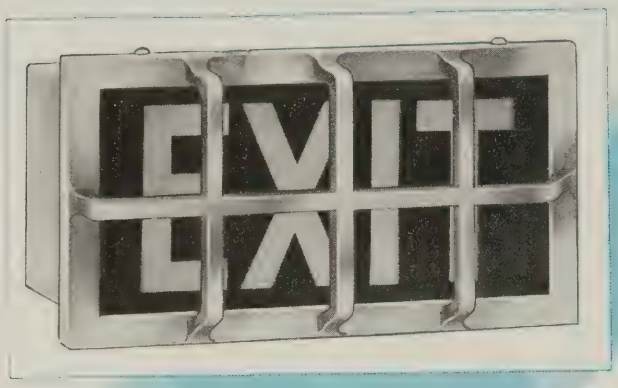
Metal Finishes: Standard Guth finishes on brass, bronze, etc., are: (1) Statuary Bronze, a dark rich bronze; (2) Satin Cadmium, much similar to Butler Silver; (3) Bank Bronze, a pleasing light bronze tint.

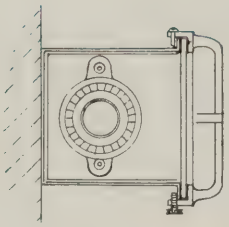
Special finishes of chromium or any other finish to match sample, will be supplied at 10% list additional. Standard Guth finish on aluminum metals is ALZAK, processed in Guth Co.'s own plant. ALZAK is a patented, guaranteed permanent finish.

All steel boxes or backplates are Udylited to insure against rust. The interior of these boxes are aluminized for reflecting purposes.

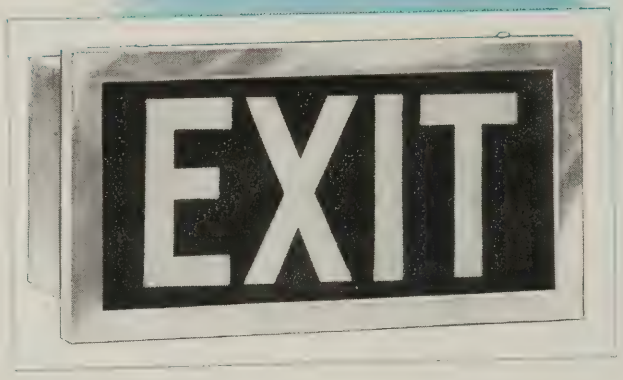
EXIT SIGNS . . . CAST BRONZE . . . MOVABLE FRAME

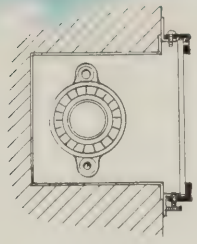
Wall or Recess Type . . . Two Sizes . . . With or Without Cast Guard





• Wall Type
With Guard





• Recess Type
No Guard

Wall-Type Unit: Dignified design, rigidly constructed Exit Sign for wall-type seating. The frame is of cast bronze and is easily removed for easy relamping. Heavy gauge steel box is Udylited for rust protection. Units may be had with or without cast bronze guard. Glass is special cased deep ruby red with white highly legible letters. In two sizes. Finish in any standard Guth finish. (See page 37.)

Number	Wattage	Width	Height	Ext.	Glass	Size	Letter	Guard	Price
M1008	15-25	8¾″	4¾″	4″	G1530	8″ x 4″	3″	No	**$13.00**
M1009	25-40	11″	8¾″	4½″	G1532	10″ x 8″	6″	No	**16.50**
M1006	15-25	8¾″	4¾″	4″	G1530	8″ x 4″	3″	Yes	**15.00**
M1007	25-40	11″	8¾″	4½″	G1532	10″ x 8″	6″	Yes	**19.25**

Recess Type Unit: Same sturdy construction of cast bronze and steel as above. Also made in two sizes and with or without cast guard.

Number	Wattage	Width	Height	Glass	Size	Letter	Guard	Recess Box	Price
M1004	15-25	8¾″	4¾″	G1530	8″ x 4″	3″	No	Included	**$14.30**
M1005	25-40	11″	8¾″	G1532	10″ x 8″	6″	No	Included	**19.25**
M1002	15-25	8¾″	4¾″	G1530	8″ x 4″	3″	Yes	Included	**18.75**
M1003	25-40	11″	8¾″	G1532	10″ x 4″	6″	Yes	Included	**27.50**

Note: Any of the signs on this page may be had with lettering to read "Men" or "Ladies."
Dimensions of recess box of M1004 and M1002 is 3½″ deep by 4″ wide and 8⅜″ long. Numbers M1005 and M1003 recess boxes are 3⅝ deep by 8⅛″ wide and 10⅛″ long.

DISTINCTIVE, NOVEL SIGNS ... DECORATIVELY EFFECTIVE

New Designs . . . Pressed and Bent Glass Panels . . . Different

• M1000

• M1032

• M1001

M1000 and M1001—Convex-Face EXIT Units: Attractive curved pressed glass mounted on heavy gauge brass removable frame. Wall type models only. Large white letters on convex-shaped red background are easily read at various angles. Frame finished in any standard Guth finish. (See page 37.)

Number	Wattage	Frame Dimensions Width	Hght.	Ext.	Glass	Size	Letter	Price
M1000	15-60	13½″	9″	4¼″	G8718	9½″ x 5″	4″	**$27.50**
M1001	15-60	12½″	8″	4″	G8718	9½″ x 5″	4″	**22.50**

M1032 Bent-Glass Signs . . . . . Lettering "EXIT," "MEN," or "LADIES"

Bent-glass panel with large letters. Heavy gauge brass base. Standard Guth finishes. (See page 37.) The open-topped glass and small opening in metal base render pleasing light-spill against background. Tubular or regular lamps can be used.

Number	Lettering	Overall Width	Dimensions Hght.	Ext.	Glass	Color Background	Letter Color	Letter Size	Price
M1032	EXIT	11″	5½″	3″	G8737	Ruby	White	3″	**$21.00**
M1033	LADIES	11″	5½″	3″	G8738	Opal	Green	2″	**21.00**
M1034	MEN	11″	5½″	3″	G8739	Opal	Green	3″	**21.00**

• M1010—M1011

• M1014—M1015

• M1132—M1133

M1010 and M1011 — DUO-SIDE EXITS . . . WALL TYPES — Two Sizes

Heavy gauge brass frame removable with set-screws for relamping. Each model is made in two sizes. Ruby-red glass with white letters. Standard Guth finishes on frame (see page 37).

VERTICAL READING TYPE

Number	Wattage	Width	Hght.	Ext.	Glass	Size	Letter	Price
M1010	15-25	5″	8½″	3¾″	G2883	2½″ x 8″	1½″	**$12.00**
M1011	25-40	7½″	12″	6″	G8724	3¾″ x 11″	2½″	**15.00**

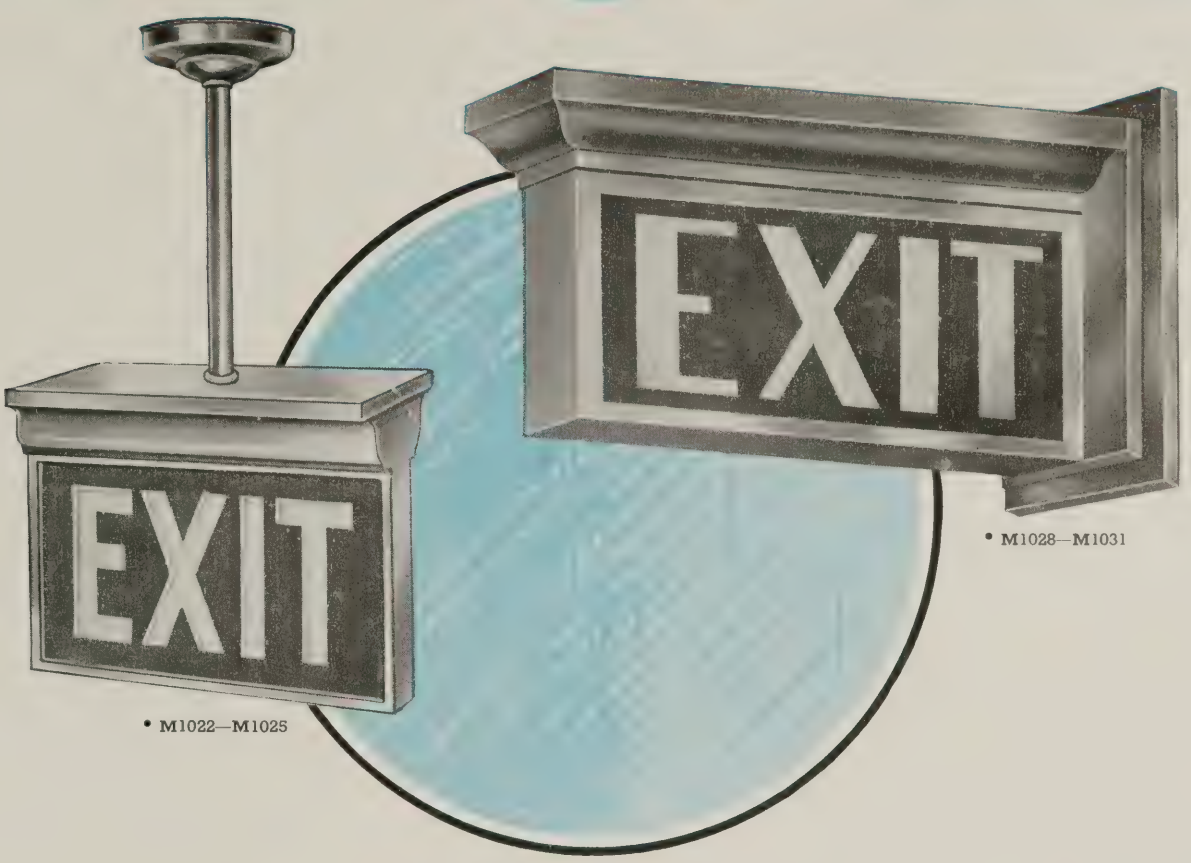
HORIZONTAL READING TYPE

Number	Wattage	Width	Hght.	Ext.	Glass	Size	Letter	Price
M1014	15-40	7″	5½″	4¾″	G5686	5″ x 5″	4″	**$15.00**
M1015	25-60	8¼″	7½″	5½″	G5687	6″ x 7″	6″	**17.50**

M1132 TRI-SIDE PENDANT TYPE EXIT

Pendant type EXIT of smart proportions and rigid heavy gauge brass construction. White letters on ruby-red glass. Readable from all sides. Standard Guth finishes. Overall length as listed. Extra lengths provided at 80 cents per foot list extra.

		Dimensions						
Number	Wattage	Width	Height	Length	Glass	Size	Letter	Price
M1132	50-100	10″	5½″	2′0″	G1530	8″ x 4″	3″	**$62.50**
M1133	50-150	12½″	8¾″	2′6″	G1532	10″ x 8″	6″	**70.00**



• M1022—M1025

• M1028—M1031

M1022—CEILING TYPE EXIT SIGN . . . SINGLE AND DOUBLE FACE—Two Sizes

Attractive ceiling type sign constructed of heavy gauge brass. Brass stem with 6-inch canopy. Finished in statuary bronze, satin cadmium, or bank bronze. Has removable end for relamping with 6-inch tubular lamps. Made in two sizes with 3-inch or 6-inch white lettering on ruby-red back.

Cat. No.	No. of Faces	Dimensions Length	Dimensions Width O. A.	Glass No.	Glass Size	Letters	Price Each
M1022	1	2′0″	9″	G1530	8″ x 4″	3″	**$22.50**
M1023	1	2′6″	11″	G1532	10″ x 8″	6″	**27.50**
M1024	2	2′0″	9″	G1530	8″ x 4″	3″	**27.50**
M1025	2	2′6″	11″	G1532	10″ x 8″	6″	**33.75**

Note: If additional length is required, add $0.60 list per foot or fraction.

M1028—BRACKET TYPE SIGN . . . SINGLE AND DOUBLE FACE—Two Sizes

Made of heavy gauge brass sheet for both single and double faced. Removable top for easy relamping with tubular lamps. Finish can be had of statuary bronze, satin cadmium, bank bronze. Made with 3-inch and 6-inch white letters on ruby-red background.

Cat. No.	No. of Faces	Wall Base Dimensions	Ext. from Wall	Glass No.	Glass Size	Price Each
M1028	1	8″ x 4½″	11″	G1530	8″ x 4″	**$26.25**
M1029	1	12½ x 5″	13″	G1532	10″ x 8″	**31.50**
M1030	2	8″ x 4½″	11″	G1530	8″ x 4″	**31.50**
M1031	2	12½″ x 5″	13″	G1532	10″ x 8″	**37.50**

• M1026—M1027

• M1047—M1048

M1026—WALL TYPE EXIT SIGN—*For Tubular Lamps*

Wall-type exit signs made in two sizes in single-face only. Sturdily manufactured in eighteen gauge brass sheet. Removable top for easy 6-inch tubular lamp replacement. Finished in statuary or bank bronze, and satin cadmium.

Cat. No.	Dimensions Width	Height	Extension	Glass No.	Size	Letters	Price Each
M1026	9″	6½″	1¾″	G1530	8″ x 4″	3″	**$15.00**
M1027	11″	10½″	2″	G1532	10″ x 8″	6″	**18.50**

M1047—EXTRUDED BRONZE EXIT SIGN

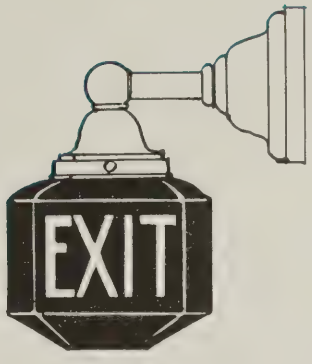
A beautiful Exit Sign that reflects quality in its rigid extruded bronze construction. Has two heavy rolled-moulding hinges for easy lamp replacement. Made in two sizes and finished in statuary or bank bronze or in satin cadmium plate. Made in recess type only.

Number	Dimensions Width	Height	Glass Number	Size	Letters	Price
M1047	9¾″	5¾″	G1530	8″ x 4″	3″	**$19.00**
M1048	11¾″	9¾″	G1532	10″ x 8″	6″	**22.50**

Note: Dimensions of recess box of M1047 is 3½″ deep by 4″ wide and 8⅜″ long. Recess box of M1048 is 3⅝″ deep by 8⅛″ wide and 10⅛″ long.

• M1042

• M1043



• M1134

• M1041

• M1044

M1046

PORCELAIN ENAMEL FLANGES . . . With Glass Exit Globes

Utility Signs . . . Inexpensive . . . Permanent Quality

For armories, hallways, etc., where utility of purpose is primary and low cost is requisite, Guth porcelain enameled flanges with glass exit globes are applicable.

Finishes: Guth porcelain enamel is fired-on to steel at 1800 degrees Fahrenheit; the finish is everlasting. Standard Guth porcelain enamel finishes are white, ivory, and antique bronze. Where sanitation is desired or where moisture might affect other finishes, Guth porcelain enamel will last indefinitely.

Glass: Various designed globes as pictured above are ruby-red with three-inch white letters.

Number	Glass	Size	Letter	Price
M1041	G594	6″ x 3¼″	3″	**$5.20**
M1042	G1534	6″ x 3¼″	3″	**5.20**
M1043	G4665	5¼″ x 3¼″	3″	**6.00**
M1044	G4664	5¼″ x 3¼″	3″	**6.00**
M1046	G4241	6″ x 3¼″	3″	**6.00**
M1134	G2763	6″ x 3¼″	3″	**9.35**

M1134 has word "Exit" on three sides.

Guth

QUALITY SIGNS

Porcelain Enamel—Cast Bronze—Interior Electric
Any Lettering—Any Size—Any Type

Write us for full details . . No cost or obligation for this service.

• Cast Bronze

• Porcelain Enameled Steel

Guth "BDHIC" *Safety* HANGERS... 4-POINT SUSPENSION

U. S. Patent Nos. 1722743 and 1745691—Also Foreign Patents.

Only 20 Seconds to Apply or Remove Glassware

Easily Installed . . . Quickly Cleaned and Relamped . . .
No Thumbscrew or Bushings . . . No Compression on Glass

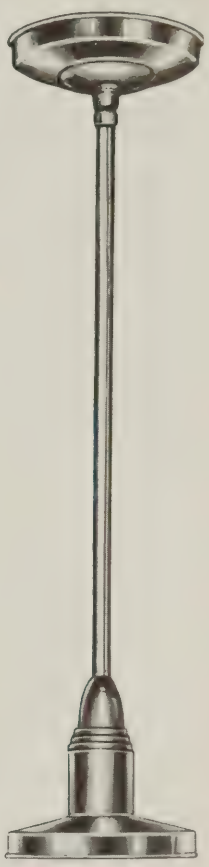
Guth BDHIC safety hangers are designed to provide mechanical durability as well as beauty in line and proportions.

Specifications: The BDHIC hanger is formed of 20 B. & S. gauge brass. The brass stem is 5/8-inch diameter with standard 3/8-inch threads. The Guth turned-brass swivel-aligner permits 30-degree swing. Canopies have knockouts for switches.

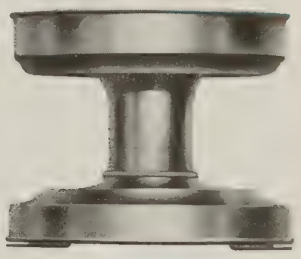
Wire and Sockets: Guth products are approved by Underwriters' Laboratories. For porcelain medium base sockets, up to and including 200-watt lamps, slow-burning No. 16 C&F wire is furnished. No. 14 wire is supplied for all porcelain mogul sockets. Fixtures are not wired but can be supplied so at small additional expense.

Canopy Switches: Two sized single-pole switches are available. For 6 ampere rating switches (up to and including 500 watts), add $1.35 to list. For large 10 ampere switches, add $2.05 list.

Three-Way Socket and Switches: Mogul socket size BDHICs will be supplied with three light sockets at $1.25 list additional. Three-way canopy switches will be furnished at $1.50 list additional.



• Pendant Hanger



• Ceiling Holder

• Diagram showing ease of applying Glassware

PENDANT "BDHIC" — Chromium or Statuary Bronze Finish

Catalog Number	Fitter Diameter	Porcelain Socket	Length to Bottom of Holder	Standard Package Quantity	Standard Package Weight, Lbs.	Price Each Unit
R6014	4″	Medium	24″	12	29	**$3.40**
R6016	6″	Medium	24″	12	36	**3.65**
R6017	6″	Mogul	24″	12	38	**4.25**
R6018	8″	Mogul	24″	12	40	**5.25**

Additional Lengths: 6″ Extension—MP2175—$0.40
12″ Extension—MP2176—$0.60

CEILING "BDHIC"—Chromium or Statuary Bronze Finish

R5842	4″	Medium	5″	12	19	**$2.00**
R5843	6″	Medium	5″	12	22	**2.50**
R5844	6″	Mogul	6″	12	26	**3.00**
R5845	8″	Mogul	6″	12	33	**4.00**

Notes: Standard finishes are statuary bronze and chromium.
If special finishes to match are desired, add 10% list additional.

GLASSWARE FOR ABOVE HANGERS IS LISTED ON PAGE No. 58

PORCELAIN ENAMEL "ONE-PIECE" FLANGES

U. S. Patent No. 1715769

Easily Maintained and Cleaned . . . For Moist Atmospheres . . . Everlasting Finish

Guth Flanges, formed of steel, and finished with hard, glassy porcelain enamel finish are permanent in every respect. Porcelain enamel finish is especially desirable where cleanliness and sanitation are paramount, as this hard finish is unaffected by daily scrubbings. Also, where salt air or other humid atmospheres may affect ordinary finishes, Guth porcelain enamel will last indefinitely. Guth Company's electric furnace assures a whiter or more pure color, as opposed to porcelain enamel applied by other type firing.

The Guth Flange is installed with the greatest of ease and rapidity. The self-adjusting patented spring glass holder obviates rattling or breakage, instantly engages or releases glassware, no bothersome setscrews. Guth Flanges are dustproof and non-vibrating. Approved by fire underwriters.

MAY BE HAD IN CHROMIUM-PLATED FINISH

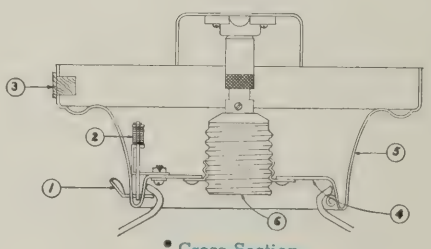
• No. K1166

Standard Porcelain Enamel Finishes are White, Ivory, Black, and Antique Bronze. Specify finish when ordering.

Guth Flanges are made under U. S. Patents and are constructed for lifetime service.

For installing glassware, only ONE spring-key is moved (No. 1 in cut). This trigger-acting key allows for expansion of glass, thus reducing breakage to a minimum. The trigger-acting key is held by an everlasting bronze spring (No. 2 in cut). Guth Flanges have double reflecting surface (see Nos. 4 and 5 in cut).

Porcelain sockets (No. 6 in cut), approved by Underwriters' Laboratories, are furnished. The flanges are supplied unwired. A knockout for use of canopy switch in each Guth Flange (No. 3 in cut).



• Cross Section

Catalog Number	Lights	Socket	Flange Diameter	Fitter	Standard Package Quantity	Standard Package Weight	Price Each Porcelain Enamel	Price Each Chrome
K1164	1	Medium	7½″	4″	12	25 lbs.	**$1.75**	**$2.35**
K1166	1	Medium	10″	6″	6	16 lbs.	**2.00**	**3.00**
K1167	1	Mogul	10″	6″	6	18 lbs.	**2.50**	**3.50**
K3395	2	Medium	10″	6″	6	18 lbs.	**3.25**	**4.25**

Specify Finish When Ordering.

Notes: Canopy switch will be supplied on request at $0.75 list additional.
Special finishes will be supplied at 10% list over chrome prices.

GLASSWARE FOR GUTH FLANGES IS LISTED ON PAGE 58

PORCELAIN ENAMEL PENDANT HANGERS

For Moist Atmospheres . . . Easily Cleaned . . . Everlasting Finish

Guth Porcelain Enamel Hangers are for uses where ordinary finishes do not stand-up. See preceding page for further uses.

Catalog Number	Fitter Dia.	Porc. Skt.	Lgth. to Bottom of Holder	Standard Package Quantity	Wt.	Unit Price, Each
R1145	4″	Med.	24″	12	38 lbs.	**$6.00**
R1146	6″	Med.	24″	12	45 lbs.	**6.50**
R1148	6″	Mog.	24″	12	50 lbs.	**7.00**

Notes: Above prices do **not** include glassware. Canopy switch will be supplied at $0.75 list additional.
Longest one section stem is 24″; more than one section is required for longer lengths.

R1148

"SHELL-CAST"

"SHELL-CAST"

Minimizing Glassware Glare with **ALZAK** *Aluminum Reflectors*

To assure advantages of "Better Lighting" with glassware fixtures, it is thoroughly recommended that means of minimizing glare and shadows be applied to luminaires of this type. The luminaire, to left, incorporates an ALZAK Aluminum Deflector to render "Better Lighting" than ordinary semi-indirect glassware units.

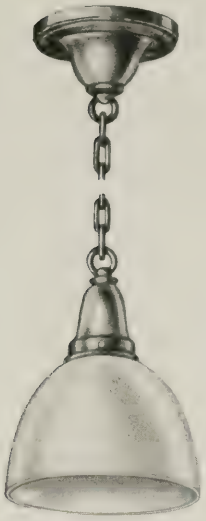
"SHELL-CAST" LUMINAIRE

Effect semi-indirect lighting by means of an ALZAK aluminum cup which covers the lamp filament thereby directing the major portion of light-rays upward. The glassware has a beautiful soft "shell-like" appearance—minimizing glare. The light reflected from the ceiling minimizes shadows.

"SHELL-CAST" LUMINAIRE

Catalog Number	Wattage	Glass Diam.	Overall Length	Price
M1114	150-200	16″	30″	**$15.00**
M1115	300-500	20″	36″	**27.50**

Standard Package is one unit.



• R1139 — 1 Light
Brass
F59 (Statuary Bronze)

Guth UTILITY LIGHTS

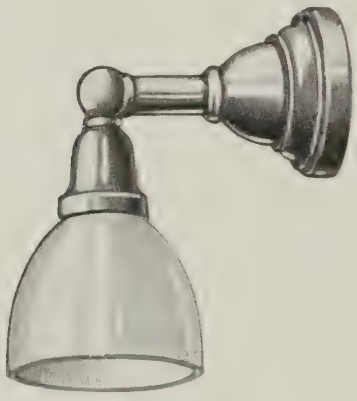
Number	Socket	Length	Glass	Size	Price
R1139	Keyless	48″	G1382	6¼″ x 2¼″	**$4.30**
R1140	Keyless	48″	G1704	Wire Guard	**3.85**
R1141	Keyless	48″	.....	Without Guard	**1.75**

Number	Lts.	Socket	Ext.	Hgt.	Reflector	Size	Price
R1290	1	Key	...	16″	G1674	7″	**$8.45**
R1291	1	Key	...	16″	G1674	7″	**9.00**
R1294	1	Key	9″	10″	G1382	6¼″ x 2⅛″	**5.50**
R1295	1	Pull	...	15½″	G3866	9″ x 5¼″	**15.00**
R1296	1	Pull	...	15½″	G3866	9″ x 5¼″	**15.00**

VAPORPROOF CONDULETS

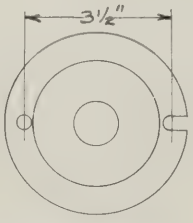
Number	Watts	Globe	Guard	Price
RR3964	50-100	Clear	No	**$11.50**
RR3965	50-100	Clear	Yes	**16.00**
RR3966	50-100	Clear	No	**8.00**
RR3967	50-100	Clear	Yes	**12.75**

• R1140
with Guard
R1141
Without Guard



• R1294 — 1 Light
Brass
F59 (Statuary Bronze)

• R1290—1 Light
Brass
F22 (Brushed Brass)
R1291—1 Light
F59 (Statuary Bronze)



• Vaporproof
Condulet
Cast Bronze
RR3967 — With Guard
RR3966 — No Guard

• Vaporproof
Condulet
Cast Bronze
RR3965 — With Guard
RR3964 — No Guard

• R1295 — 1 Light
Porcelain Enamel Shade
F142 (Olive Green)

• R1296 — 1 Light
F485 (Bank Bronze)

Guth BRACKETS *and* CEILING UNITS

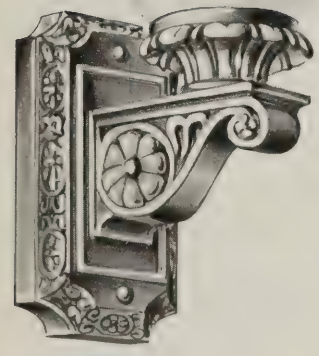
Number	Hgt.	Extends	Glass	Size	Price
R1263	10¾″	7½″	G656	4½″ x 6″ x 3¼″	**$10.65**
R1264	12″	8½″	G655	7″ x 8″ x 5″	**17.50**

Number	Length	Extends	Glass	Size	Price
R1265	12″	.....	G656	4½″ x 6″ x 3¼″	**$10.00**
R1266	14½″	.....	G655	7″ x 8″ x 5″	**16.90**

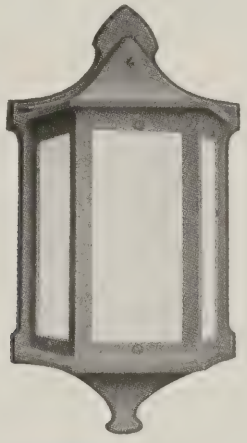
Number	Hgt.	Extends	Back Plate	Glass	Size	Price
RR1271	13″	4¾″	6⅞″ x 12½″	Amber	5⅝″ x 2¾″	**$10.00**
R1283	18″	12″	4½″ x 10″	G1050	10″ x 5″	**22.50**
R1284	22″	18″	7″ x 14″	G1050	12″ x 6″	**36.00**
R1285	30″	28″	9½″ x 28½″	G1050	16″ x 8″	**94.50**
RR1286	14″	9″	4⅝″ x 11½″	G1050	8″ x 4″	**5.05**
RR3363	22½″	13″	5½″ x 11½″	G1050	10″ x 5″	**17.00**
RR3364	22½″	13″	5½″ x 11½″	G1050	10″ x 5″	**45.00**

Number	Lts.	Socket	Extends	Shade	Size	Price
R4043	1	Pull	9″	G5253	5½″	**$12.00**

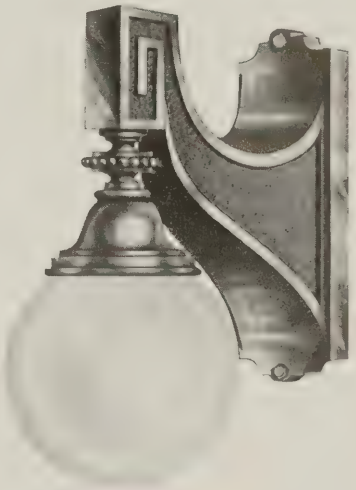
• RR3363 — Cast Iron
Painted Black
RR3364 — Cast Bronze
Finish F374 (Oiled Bronze)
Radiant Glass



• RR1286 — Cast Iron
Painted Black
Radiant Glass

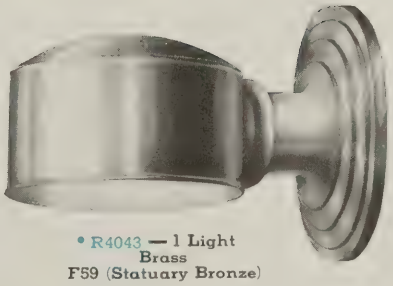


• RR1271 — Cast Iron
Painted Black
Amber Panels



• R1283 - R1284 - R1285
Cast Iron
Painted Black
Radiant Glass

• R1265 — R1266
Copper
Finish F374 (Oiled Copper)
Radiant Glass



• R4043 — 1 Light
Brass
F59 (Statuary Bronze)

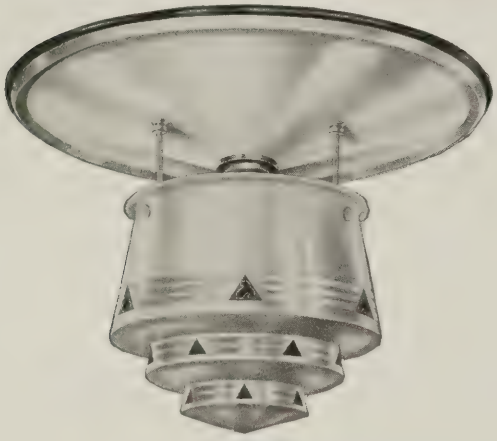
• R1263 — R1264 — Copper
Finish F374
(Oiled Copper)

BRASCOLITE

U. S. and Foreign Patents 14680, 81470, 1147717, 1304965—Trade Mark Registered.

"WORLD FAMOUS IN LIGHTING HISTORY"

Efficient Semi-Indirect Lighting—Porcelain Enamel Reflector—Quality Translucent Glass



• W3466

Brascolite embodies all the efficient principles of good lighting. Diffusion plus reflection and an abundance of light without undue glare. The low first cost, and low installation and maintenance cost, with durable construction, make Brascolite ideal for every purpose. The perfect glazed porcelain enameled reflector will look new and last indefinitely.

The high efficiency of Brascolite is obtained by the arrangement of the quality translucent bowl and the reflector which directs all emitted light to the working plane with minimum of absorption.

WITH DECORATED GLASS

Number	Skt.	Wattage	Diam.	Glass	Size	Price
W3466	Med.	75-100	12½″	G4877	7″	**$ 8.10**
W3467	Med.	150-200	17″	G4883	9½″	**11.80**
W3468	Mog.	300-500	21″	G4889	12″	**16.10**

WITH PLAIN GLASS

W3463	Med.	75-100	12½″	G4876	7″	**7.00**
W3464	Med.	150-200	17″	G4882	9½″	**9.40**
W3465	Mog.	300-500	21″	G4888	12″	**12.90**

Pull Switch $1.50 List additional.
Packed one to a carton.

• W 624

LEATHER BRZ. BAND ON REFLECTOR—WHITE BOWL

Number	Skt.	Wattage	Diam.	Glass	Size	Price
W624	Med.	75-100	14″	G765	8¼″	**$ 8.00**
W625	Med.	150-200	18″	G764	11″	**12.00**
W627	Mog.	300-500	22″	G763	14″	**19.50**

WHITE PORCELAIN ENAMEL REFLECTOR—WHITE BOWL

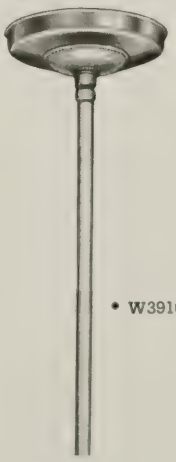
W619	Med.	75-100	14″	G765	8¼″	**$ 8.00**
W620	Med.	150-200	18″	G764	11″	**12.00**
W622	Mog.	300-500	22″	G763	14″	**19.50**

Pull Switch $1.50 list additional. Packed one to a carton.

BRASCOLITE CEILING HANGERS

Brascolites listed on this page may be had for ceiling suspension either with chain hanger, pictured on the left, or pendant hanger pictured on right. Standard finishes are statuary bronze or satin silver effect.

• W3909



• W3910

W3909—36″ long, 3-chain oval link. When additional length is required, a single chain will be used between canopy and three way hook.
36″ length, price, **$4.50**

Extra length, $0.75 per foot list.

W3910—36″ long, ⅝″ diam. Brass stems with 6″ diam. brass canopy, 36″ length, price, **$2.50**.

Extra length, $0.50 per foot list.

Guth-LITE

U. S. Patent 1455794—Trade Mark Registered

PORCELAIN ENAMEL REFLECTOR

Totally Enclosed .. Semi-Indirect Lighting .. Efficiency Plus

The Guth-Lite is a totally enclosed unit that gives a scientifically correct diffused and redirected light without undue glare. Its light rays are distributed vertically, horizontally, and at an angle. Guth-Lite gives a very wide distribution so that fewer units are needed to light a given area. The patented features of Guth-Lite facilitate installing, cleaning and relamping. It is the lowest priced unit of its type on the market. Made in three sizes and four styles.

• H896

H887

WITH TAN DECORATED GLASS

Number	Skt.	Wattage	Diam.	Lgth.	Glass	Size	Price
H896	Med.	75-100	13″	14½″	G3726	8½″x4″	**$ 9.00**
H897	Med.	150-200	17½″	18″	G3727	12″ x5″	**17.15**
H898	Mog.	300-500	21½″	19″	G3728	14″ x6″	**21.75**

WITH PLAIN WHITE GLASS

H893	Med.	75-100	13″	14½″	G3722	8½″x4″	**$ 8.15**
H894	Med.	150-200	17½″	18″	G3723	12″ x5″	**12.20**
H895	Mog.	300-500	21½″	19″	G3724	14″ x6″	**16.30**

Notes: Pull Switch $1.50 list additional.
Extra length $0.35 per foot list.
Units packed one to a carton.

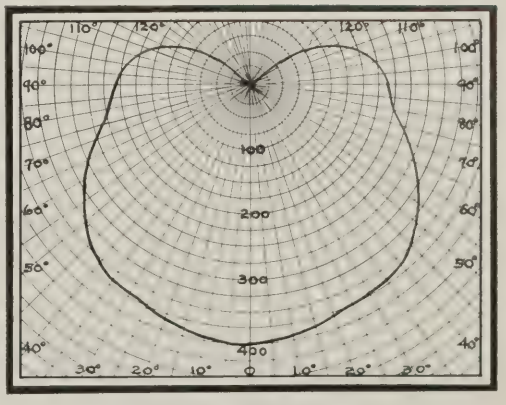
WITH PLAIN WHITE GLASS

Number	Skt.	Wattage	Diam.	Lgth.	Glass	Size	Price
H887	Med.	75-100	12½″	14½″	G3722	8½″ x 4″	**$ 6.50**
H888	Med.	150-200	17″	18″	G3723	12″ x 5″	**10.00**
H889	Mog.	300-500	21″	19″	G3724	14″ x 6″	**13.50**

WITH TAN DECORATED GLASS

H890	Med.	75-100	12½″	14½″	G3726	8½″ x 4″	**$ 7.35**
H891	Med.	150-200	17″	18″	G3727	12″ x 5″	**14.95**
H892	Mog.	300-500	21″	19″	G3728	14″ x 6″	**18.95**

Notes: Pull Switch $1.50 List additional.
Extra Length $0.35 per foot list.
Units packed one to a carton.



• Photometric Light Curve
Showing Wide Distribution of Light

GUTH PORCELAIN AGLITE ENAMEL BRACKETS

Designed for Utility . . . Lighter Weight . . . Everlasting Finish

PORCELAIN ENAMEL AND CHROMIUM

Sound design is based on utility. Guth AGLITE brackets and ceiling types represent careful thought, aimed to make them of maximum usefulness and maximum beauty combined.

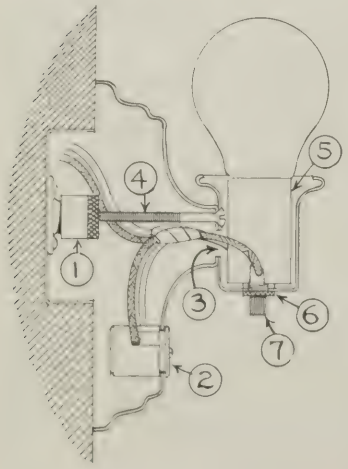
The modern trend in functional design is towards strength with lightness. Architects have turned to the lighter, stronger materials made available by progress in metallurgy and in the ceramic art. Stronger than other ware, Guth AGLITES weigh but one-third as much as comparable pottery china fixtures.

Guth AGLITES are permanently finished by "fusing" glass on steel. The accompanying microphoto demonstrates the rigid bond between the base metal of AGLITES and the fired-on Guth vitreous enamel finish. Guth AGLITES are subjected to three successive coatings of vitreous glass fired-on steel at 1800 degrees Fahrenheit. This permanent glassy lustrous finish is much superior to paint enamel finishes, and can be washed daily without any effect on AGLITE'S "window-pane" finish. Also, the even pure texture of Guth porcelain enamel finish has deeper color or whiteness and has no graining effect as do ordinary porcelain pottery ware fixtures.

A micro-photograph, showing the "Millions of little fingers" of the "crystal-etched" steel surface, which assure a permanent bond between the metal and the Guth Vitreous enamel "fired-on" finish. See page 92.

Chromium: Guth Chromium finish on AGLITES is especially good-looking in locations of prominence. Guth Chromium has a rich bluish hue, with mirror reflection appearance. Chromium finish is not as permanent as porcelain enamel yet is more permanent than paint enamel finishes.

Packing: AGLITES are packed in unit cartons and every part for one Guth AGLITE is packed in one carton



Method of Installing Ball Lamp Aglite Bracket (Left)

1—Screw coupling (No. 1) to stud.

2—Splice two wires from plug (No. 2) and the two extra pieces of No. 18 wire included with fixture, to house wires.

3—Remove socket from bracket. Place bracket in position over wall box. Pull the two No. 18 wires through hole (No. 3). Lock bracket in position with screw (No. 4) which can be reached with screw driver through open top of cup.

4—Attach No. 18 wires to socket (No. 5). Insert socket in cup and lock in position with Bakelite nut (No. 6).

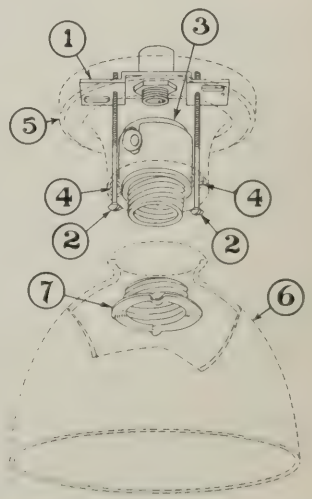
5—It is not necessary to remove knob (No. 7) to place socket in position.

Method of Installing Aglites (Right)

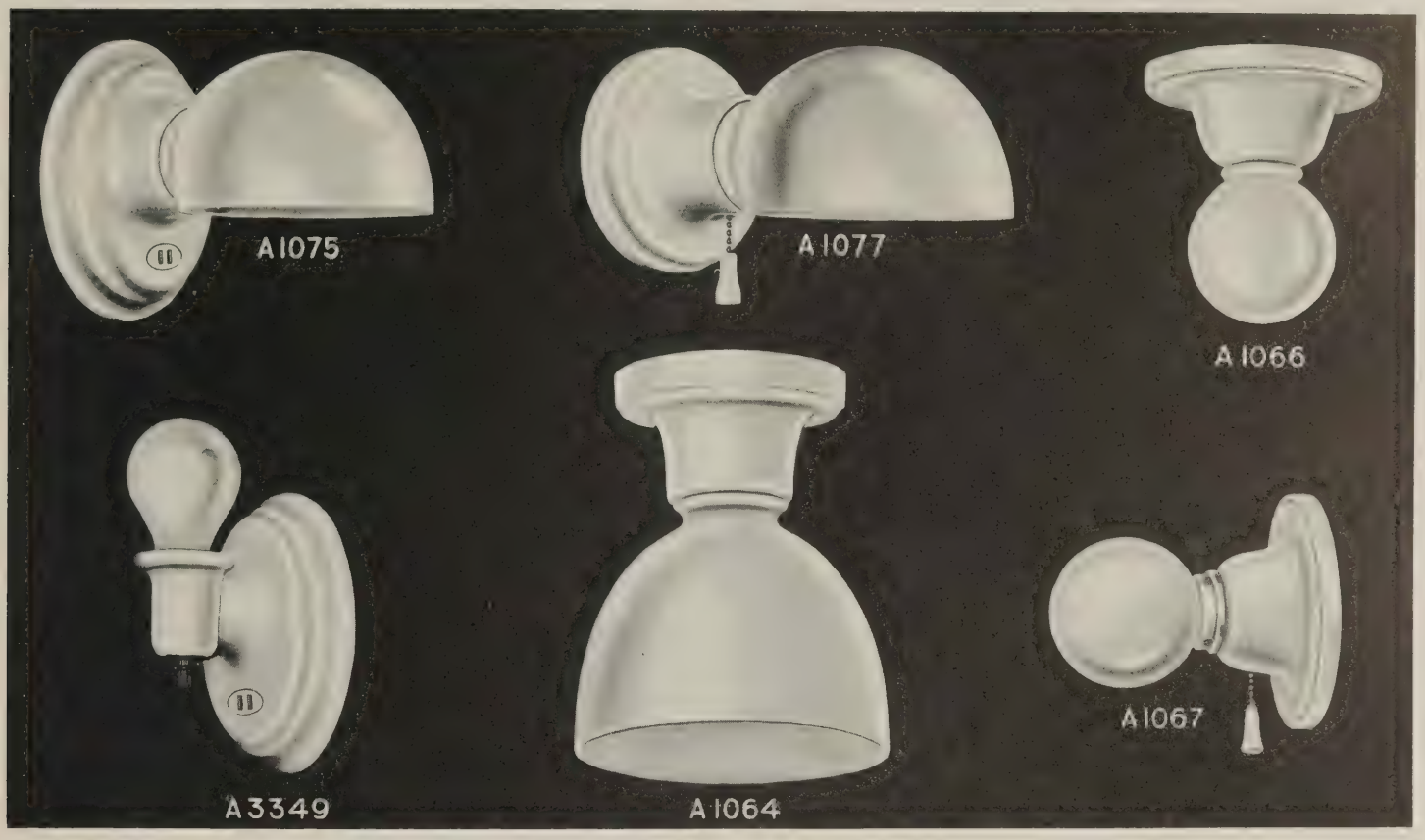
Bridge (No. 1) is attached to any standard outlet with locknut furnished. Attach house wires to porcelain socket (No. 3) and clamp it in canopy (No. 5).

Place canopy in position toward ceiling (for wall) with screws (No. 2), projecting through keyhole slots (No. 4).

Turn canopy to right and tighten screws (No. 2) with screw driver. Glass shade (No. 6) is then placed over Bakelite screw collar of socket and held in position by patented, internal-threaded collar (No. 7). When light is installed no metal parts are visible.



Guth AGLITES (Continued) *Additional Types Listed in Hospital Section-p.*



A-1075

No.	Socket	Conv. Outlet	Glass	Price	Code
A-1072	Keyless	No	G-3144	**$2.05**	Bind
A-1073	Pull	No	G-3144	**2.35**	Biped
A-1074	Keyless	Yes	G-3144	**2.40**	Birch
A-1075	Pull	Yes	G-3144	**2.70**	Bird

A-1077

A-1076	Keyless	No	G-3144	**$1.95**	Birth
A-1077	Pull	No	G-3144	**2.25**	Bison

A-3349

No.	Socket	Conv. Outlet	Glass	Price	Code
A-3346	Keyless	No	None	**$1.80**	Glory
A-3347	Turn	No	None	**2.15**	Gnarl
A-3348	Keyless	Yes	None	**2.05**	Gnash
A-3349	Turn	Yes	None	**2.40**	Gnome

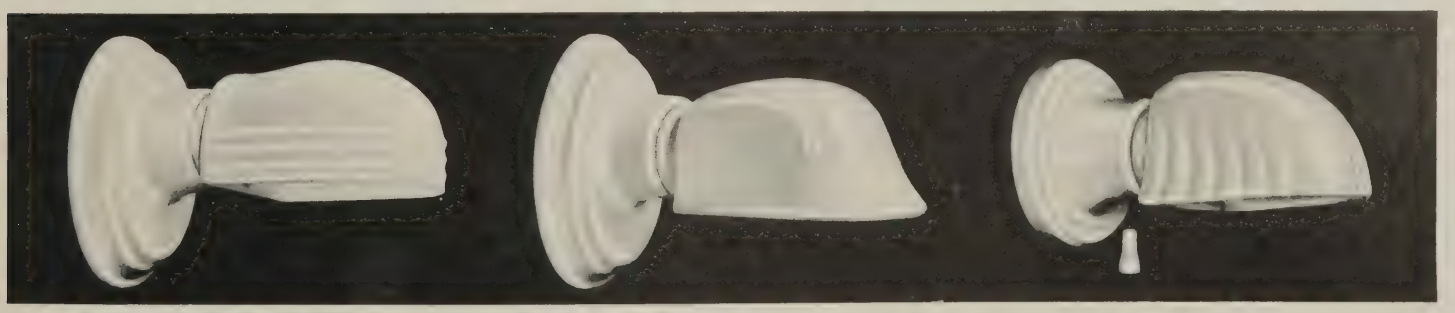
A-1064

A-1064	Keyless	No	G-1382	**$1.80**	Bibe
A-1065	Pull	No	G-1382	**2.10**	Bier

A-1066

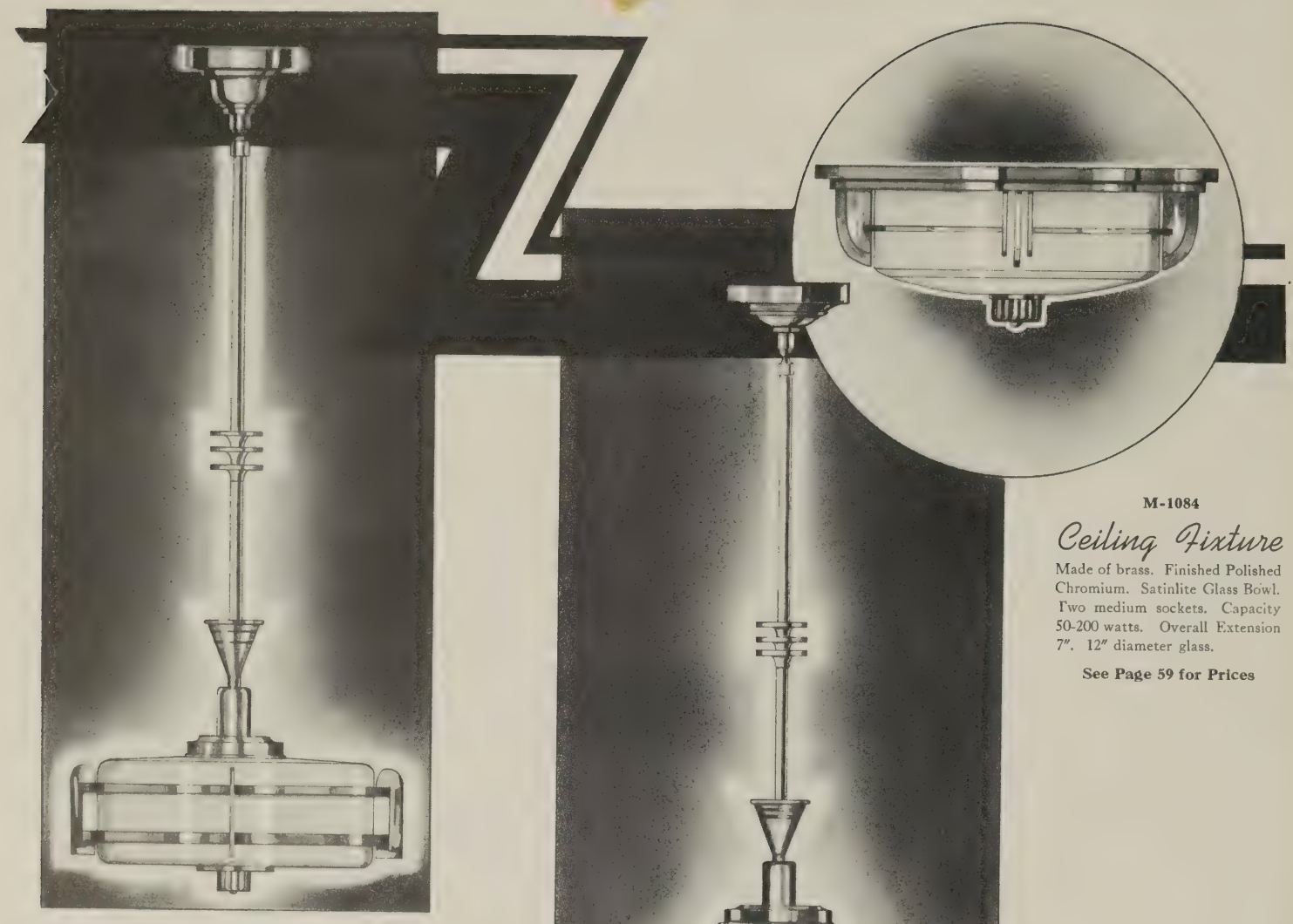
No.	Socket	Conv. Outlet	Glass	Price	Code
A-1066	Keyless	No	None	**$0.95**	Bight
A-1067	Pull	No	None	**1.25**	Bigot

Notes: Above prices are for Standard Porcelain Enamel Finishes which are White and Ivory. (Please specify shade when ordering.) When Chromium is desired add $0.50 list extra to above prices. Lamps or wire not included in above prices.



GAG-01 **GAG-02** **GAG-03**

Glass interchangeable with above types. Add 25c to list for any of these glass shades.



M-1084

Ceiling Fixture

Made of brass. Finished Polished Chromium. Satinlite Glass Bowl. Two medium sockets. Capacity 50-200 watts. Overall Extension 7″. 12″ diameter glass.

See Page 59 for Prices

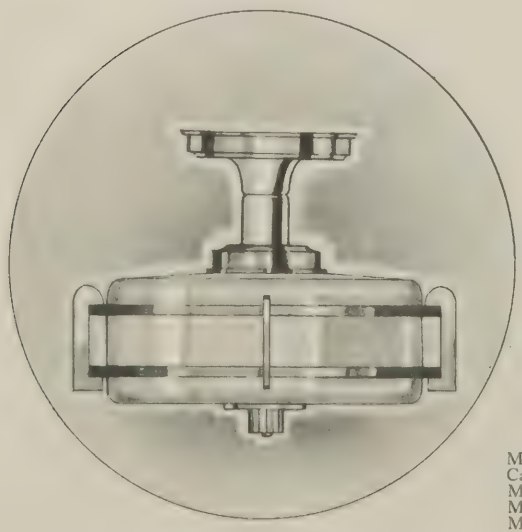
M-1077

Pendant Fixture

Made of brass. Finished: Polished Chromium. Opal glass globe.

Cat. No.	Wattage	Skt.	Overall Lgth.	Glass
M-1077	150-200	Med.	36″	14″
M-1078	300	Mog.	42″	16″

See Page 59 for Prices



M-1082

Pendant Fixture

Made of brass. Finished: Polished Chromium. Opal glass globe.

Cat. No.	Wattage	Skt.	Overall Lgth.	Glass
M-1082	150-200	Med.	36″	14″
M-1083	300-500	Mog.	42″	16″

See Page 59 for Prices

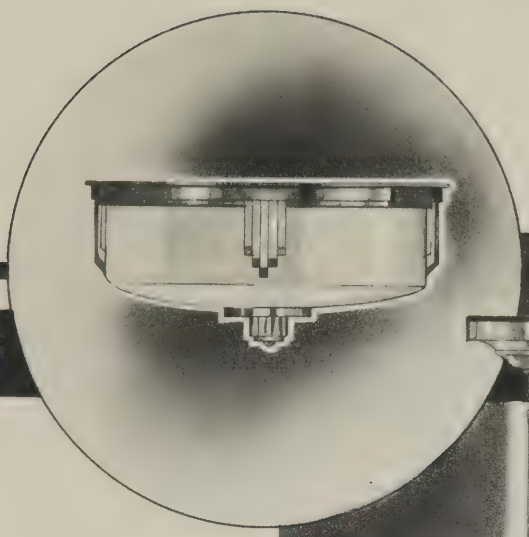
M-1079

Close Ceiling Fixture

Made of brass. Finished: Polished Chromium. Opal glass globe.

Cat. No.	Wattage	Skt.	Overall Lgth.	Glass
M-1079	75-100	Med.	13″	12″
M-1080	150-200	Med.	15″	14″
M-1081	300	Mog.	17″	16″

See Page 59 for Prices

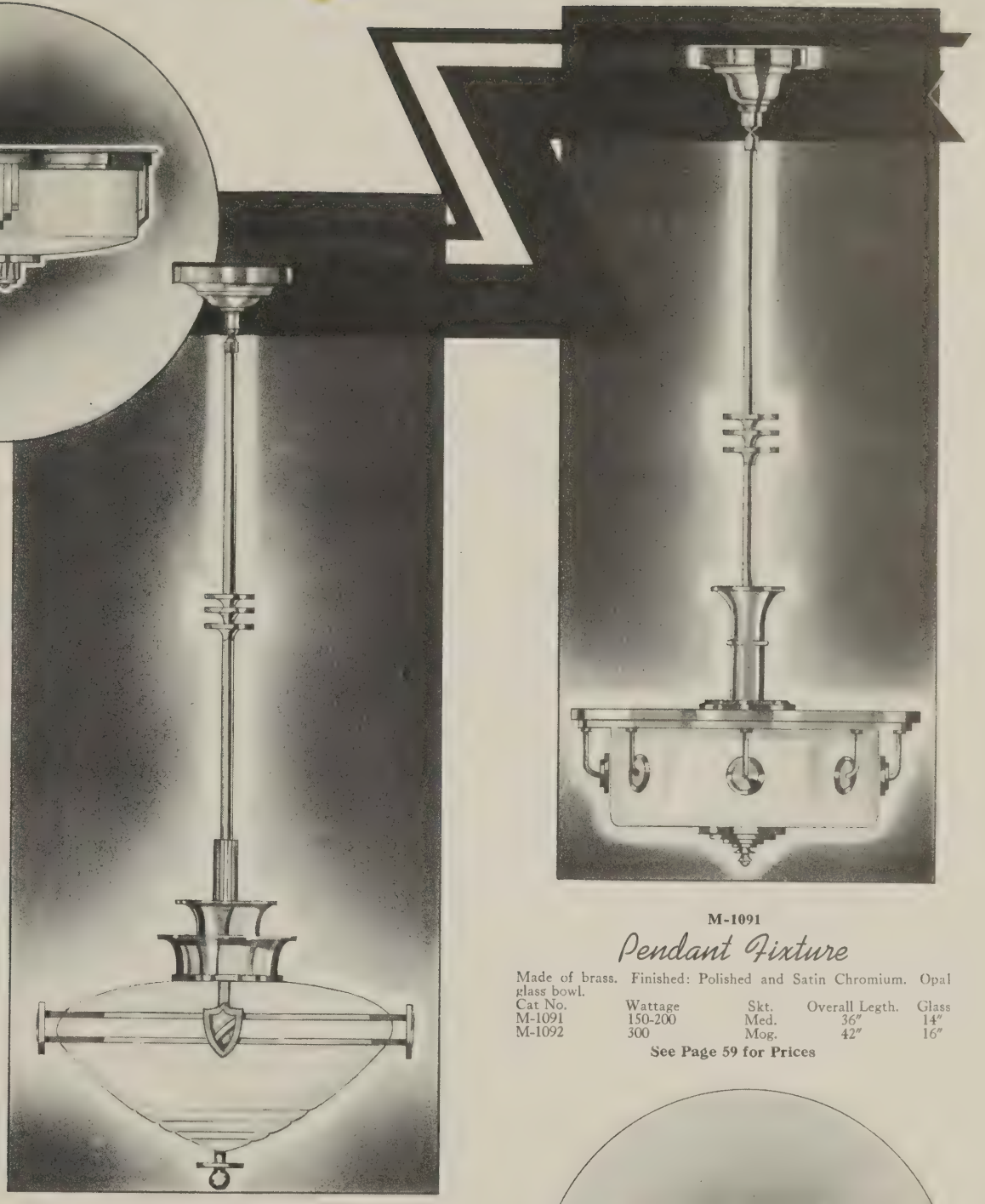


M-1085

Ceiling Fixture

Made of brass. Finished: Polished Chromium. 12″ Satinlite glass bowl. Two medium sockets. Capacity 50-200 watts. Overall extension 7″.

See Page 59 for Prices



M-1086

Pendant Fixture

Made of brass. Finished: Polished Chromium. Opal glass globe.

Cat. No.	Wattage	Skt.	Overall Lgth.	Glass
M-1086	150-200	Med.	36″	14″
M-1087	300-500	Mog.	42″	16″

See Page 59 for Prices

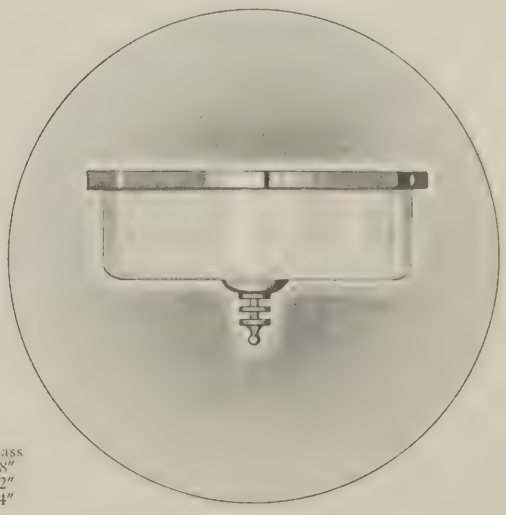
M-1091

Pendant Fixture

Made of brass. Finished: Polished and Satin Chromium. Opal glass bowl.

Cat No.	Wattage	Skt.	Overall Legth.	Glass
M-1091	150-200	Med.	36″	14″
M-1092	300	Mog.	42″	16″

See Page 59 for Prices



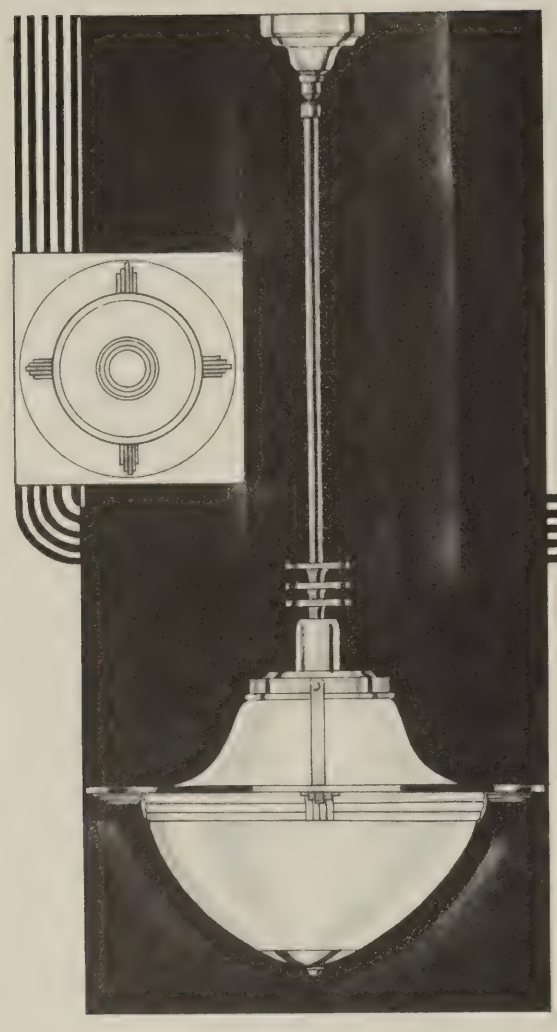
M-1088

Flush Ceiling Fixture

Made of steel. Finished: Satin Cadmium. Opal glass bowl.

Cat. No.	Wattage	Skt.	Fixture Spread	Glass
M-1088	50-75	Med.	9″	8″
M-1089	75-150	Med.	13″	12″
M-1090	150-300	Med.	15″	14″

See Page 59 for Prices

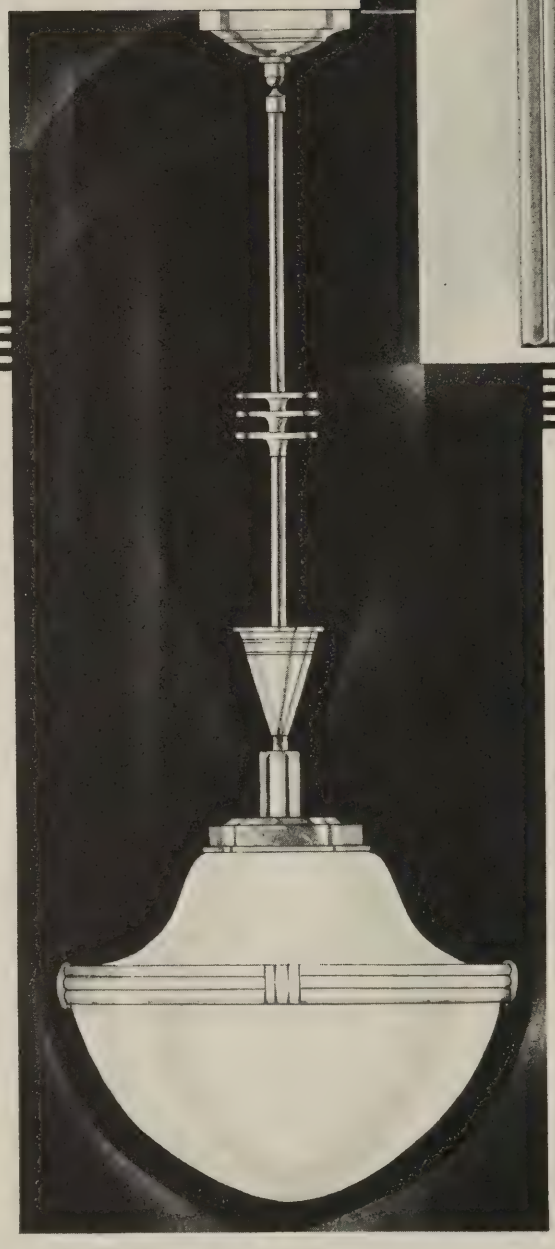


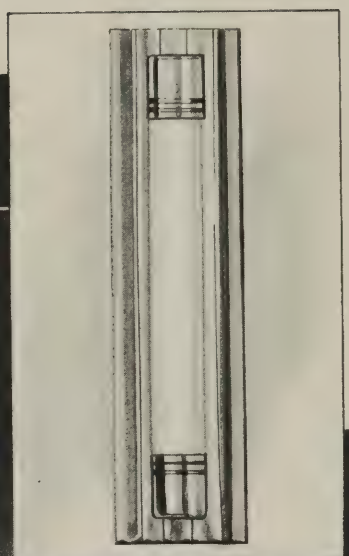
M-1093

Pendant Fixture

Made of brass. Finished: Polished Chromium. Opal glass globe				
Cat. No.	Wattage	Skt.	Overall Lgth.	Glass
M-1093	150-200	Med.	36″	14⅜″
M-1094	300-500	Mog.	42″	16⅜″

See Page 59 for Prices





M-1101

Wall Bracket

Aluminum Backplate. Finished: Satin and Polished Aluminum. Opal glass cylinder. Polished Chromium glass holders. Turn switch included. Backplate 17″ long, 4″ wide. Glass cylinder 12″ long. Wattage 40-150.

See Page 59 for Price

M-1095

Pendant Fixture

Made of brass. Finished: Polished Chromium. Opal glass globe.				
Cat. No.	Wattage	Skt.	Overall Lgth.	Glass
M-1095	75-100	Med.	30″	12⅜″
M-1096	150-200	Med.	36″	14⅜″
M-1097	300-500	Mog.	42″	16⅜″

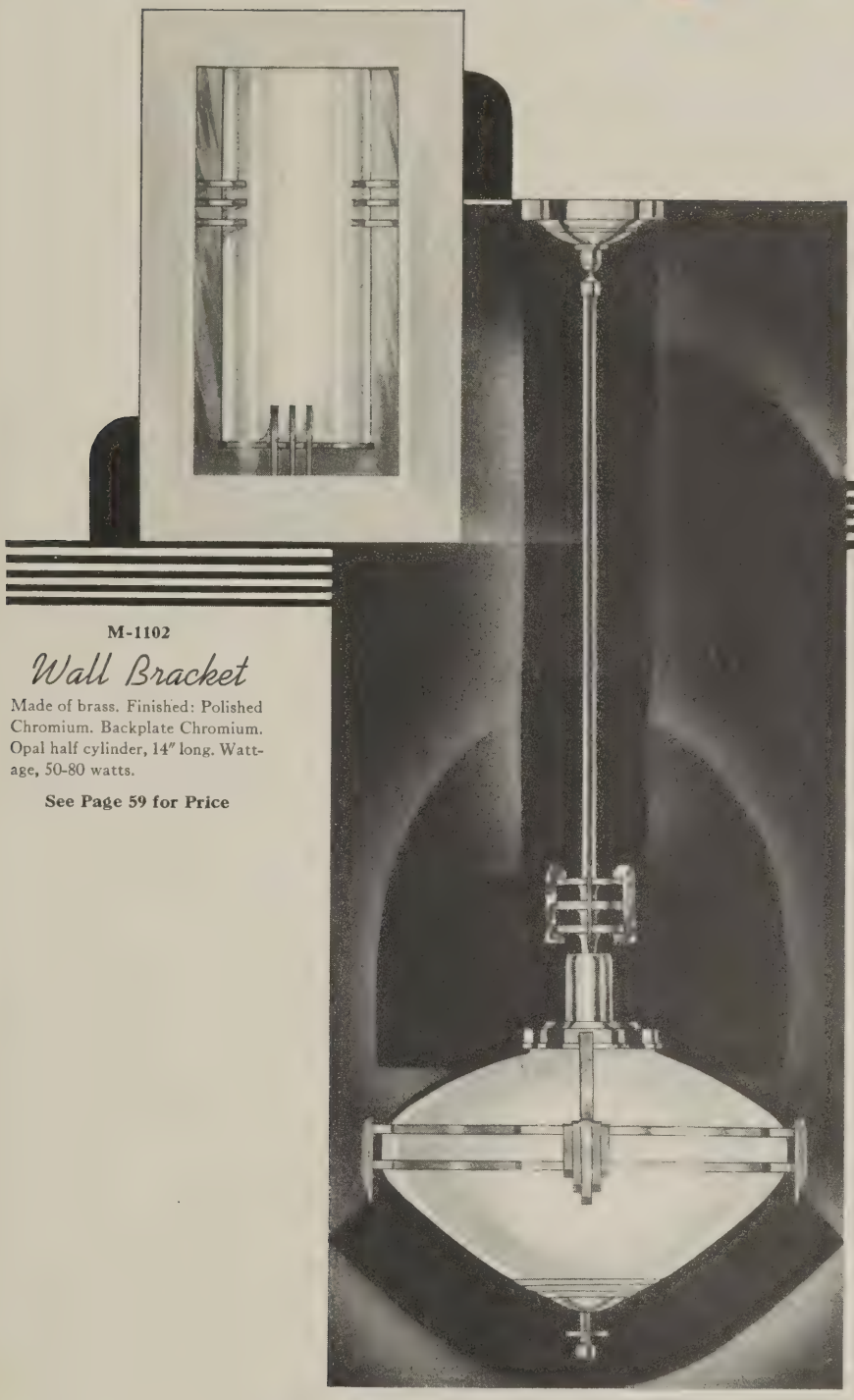
See Page 59 for Prices

M-1098

Close Ceiling Fixture

Made of brass. Finished: Polished Chromium. Opal glass globe.				
Cat. No.	Wattage	Skt.	Overall Lgth.	Glass
M-1098	75-100	Med.	13″	12⅜″
M-1099	150-200	Med.	15″	14⅜″
M-1100	300-500	Mog.	17″	16⅜″

See Page 59 for Prices



M-1102

Wall Bracket

Made of brass. Finished: Polished Chromium. Backplate Chromium. Opal half cylinder, 14″ long. Wattage, 50-80 watts.

See Page 59 for Price

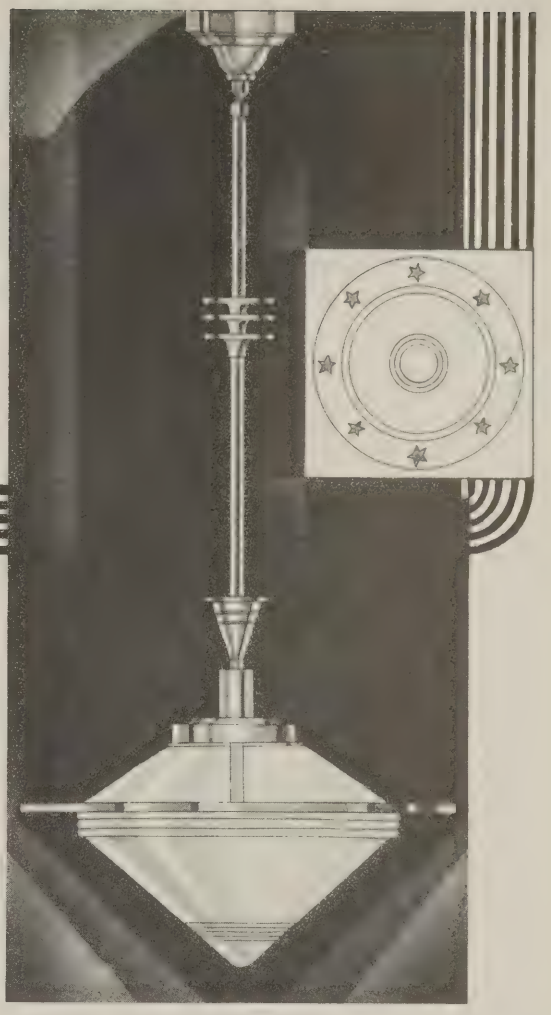
M-1103

Pendant Fixture

Made of brass. Finished: Polished Chromium. Opal glass globe.

Cat. No.	Wattage	Skt.	Overall Lgth.	Glass
M-1103	150-200	Med.	36″	14″
M-1104	300-500	Mog.	42″	16″
M-1105	750-1000	Mog.	48″	20″

See Page 59 for Prices



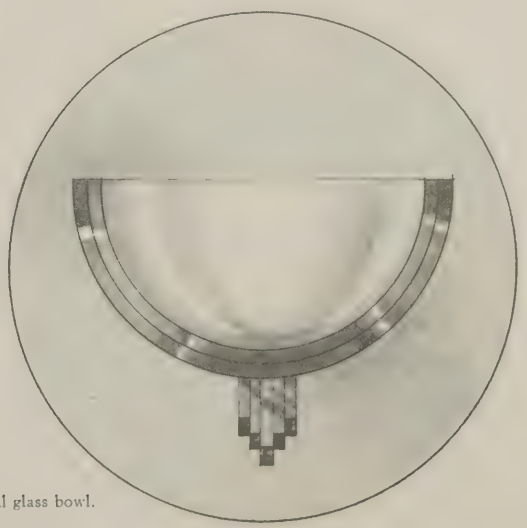
M-1107

Pendant Fixture

Made of brass. Finished: Chromium. Opal glass with metal or glass louvres.

Cat. No.	Wattage	Louvre	Overall Lgth.	Glass
M-1107	150-200	Glass	36″	14″
M-1108	150-200	Metal	36″	14″
M-1109	300-500	Glass	42″	16″
M-1110	300-500	Metal	42″	16″

See Page 59 for Prices



M-1106

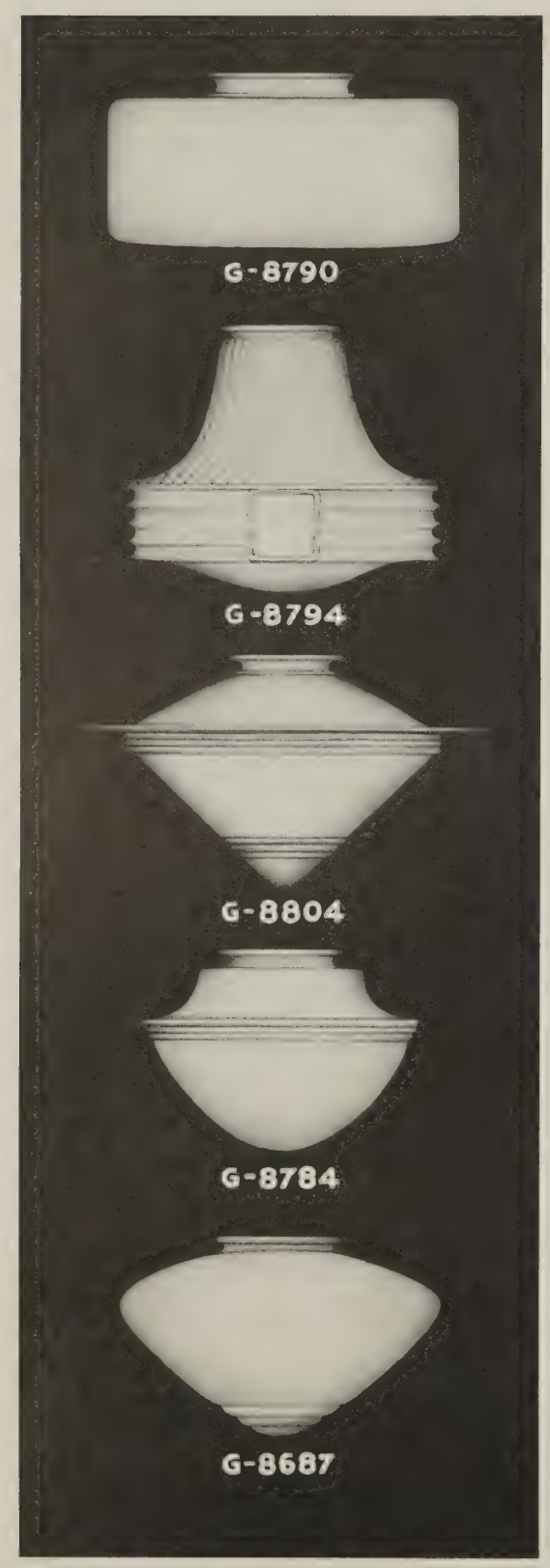
Wall Bracket

Made of brass. Finished: Chromium. Half section opal glass bowl. Width 12″. Extends 7″. Wattage 50-75.

See Page 59 for Price

Guth Illuminating Glassware

Highest Quality Glass . . . Attractive Designs . . . Standard Sizes



G-8790 — "DOMINO"
White Opal Texture

No.	Diameter	Depth	Fitter	Standard Pkg.	Price
G-8786	8″	5¼″	4″	8	**$1.85**
G-8787	10″	5¼″	4″	6	**2.30**
G-8788	12″	5½″	6″	3	**4.20**
G-8789	14″	6⅜″	6″	3	**5.75**
G-8790	16″	7½″	6″	4	**7.90**

G-8794 — "QUEEN"
White Opal Texture

G-8791	8½″	8″	4″	12	**$1.25**
G-8792	12″	10½″	6″	4	**3.30**
G-8793	14″	11½″	6″	2	**4.40**
G-8794	16″	12¾″	6″	1	**5.75**

G-8804 — "VEEPAL"
White Opal with Glass or Metal Louvre

G-8804	14″	11″	6″	2	**$3.90**
G-8804½	14″	11″	6″	2	**4.10**
G-8803	16″	12″	6″	1	**6.20**
G-8803½	16″	12″	6″	1	**5.20**

Note: G-8804 and G-8803 are furnished with Chromium plated metal louvres. G-8804½ and G-8803½ are furnished with glass louvres.

G-8784 — "JEAN"
White Opal, also Semi-indirect Enameled bottom Opal Texture

G-8780	9⅜″	6¾″	4″	12	**$1.45**
G-8781	12⅜″	9″	6″	4	**3.90**
G-8782	14⅜″	11″	6″	2	**5.00**
G-8783	16⅜″	12″	6″	1	**7.35**

"JEAN"— Semi-indirect — Enameled Bottom

G-8780½	9⅜″	6¾″	4″	12	**$3.75**
G-8781½	12⅜″	9″	6″	4	**4.95**
G-8782½	14⅜″	11″	6″	2	**7.70**
G-8783½	16⅜″	12″	6″	1	**9.75**

G-8687 — "ISLANDER"
Opal Glass

G-8683	10″	6¼″	4″	12	**$2.25**
G-8684	12″	7¾″	6″	6	**3.90**
G-8685	14″	9″	6″	2	**5.00**
G-8686	16″	10″	6″	1	**7.35**
G-8687	20″	11½″	8″	1	**20.40**

GENERAL INFORMATION ON GLASSWARE

The above prices are based on orders of standard package quantities. If less than standard packages are desired add 10% to list prices.

DECORATIVE GLASSWARE FIXTURES

All Prices Subject to Change Without Notice.

As Listed on Pages 54 to 57.

M1077 PENDANT FIXTURE — Page 54

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1077	150-200	Med.	36″	14″	**$27.45**
M1078	300	Mog.	42″	16″	**32.15**

M1079 CEILING FIXTURE — Page 54

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1079	75-100	Med.	13″	12″	**$18.65**
M1080	150-200	Med.	15″	14″	**22.45**
M1081	300	Mog.	17″	16″	**27.25**

M1082 PENDANT FIXTURE — Page 54

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1082	150-200	Med.	36″	14″	**$23.90**
M1083	300-500	Mog.	42″	16″	**27.95**

M1084 CEILING UNIT — Page 54

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1084	50-200	2 Med.	7″	12″	**$18.75**

M1085 CEILING UNIT — Page 55

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1085	50-200	2 Med.	7″	12″	**$28.75**

M1086 PENDANT FIXTURE — Page 55

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1086	150-200	Med.	36″	14″	**$34.00**
M1087	300-500	Mog.	42″	16″	**38.95**

M1088 CEILING UNIT — Page 55

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1088	50- 75	Med.	4″	8″	**$ 6.00**
M1089	75-150	Med.	4 7/8″	12″	**11.50**
M1090	150-300	Med.	5 1/4″	14″	**14.00**

M1091 PENDANT FIXTURE — Page 55

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1091	150-200	Med.	36″	14″	**$37.70**
M1092	300	Mog.	42″	16″	**44.35**

M1093 PENDANT FIXTURE — Page 56

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1093	150-200	Med.	36″	14 3/8″	**$24.00**
M1094	300-500	Mog.	42″	16 3/8″	**29.80**

M1095 PENDANT FIXTURE — Page 56

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1095	75-100	Med.	30″	12 3/8″	**$10.90**
M1096	150-200	Med.	36″	14 3/8″	**12.75**
M1097	300-500	Mog.	42″	16 3/8″	**15.45**

M1098 CEILING FIXTURE — Page 56

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1098	75-100	Med.	13″	12 3/8″	**$ 6.40**
M1099	150-200	Med.	15″	14 3/8″	**7.75**
M1100	300-500	Mog.	17″	16 3/8″	**10.35**

M1101 WALL BRACKET — Page 56

Complete with Glass Cylinder

Cat. No.	Wattage	Socket	Length	Width	Price
M1101	40-150	Med.	17″	4″	**$16.00**

M1102 WALL BRACKET — Page 57

Complete with Glass Dish

Cat. No.	Wattage	Socket	Length	Glass	Price
M1102	50-80	Med.	14″	...	**$30.00**

M1103 PENDANT FIXTURE — Page 57

Complete with Glassware

Cat. No.	Wattage	Socket	Length	Glass	Price
M1103	150-200	Med.	36″	14″	**$34.00**
M1104	300-500	Mog.	42″	16″	**39.00**
M1105	750-1000	Mog.	48″	20″	**59.00**

M1106 WALL BRACKET — Page 57

Complete with Glassware

Cat. No.	Wattage	Socket	Width	Extends	Price
M1106	50-75	Med.	12″	7″	**$18.75**

M1107 PENDANT FIXTURE — Page 57

Complete with Glassware

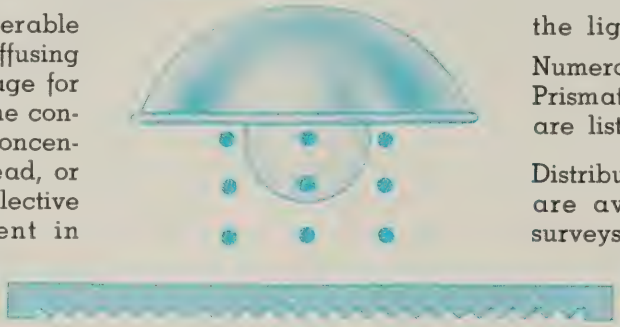
Cat. No.	Wattage	Socket	Length	Glass	Price
M1107	150-200	Med.	36″	14″	**$13.75**
M1108	150-200	Med.	36″	14″	**14.50**
M1109	300-500	Mog.	42″	16″	**16.60**
M1110	300-500	Mog.	42″	16″	**16.75**

Lamp Bulbs Not Included in Above Prices

PRISMATIC LENSES

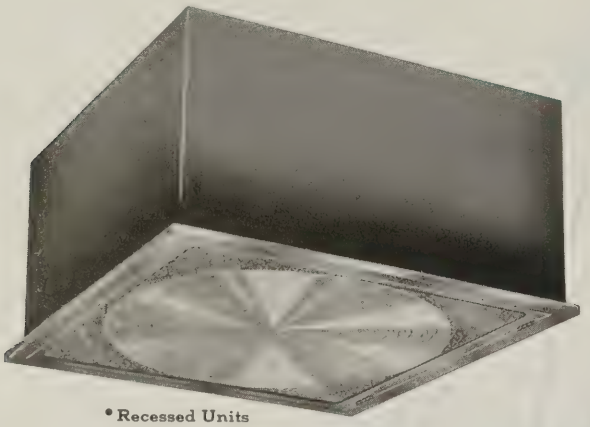
For Determined Light Performance . . . Correctly Engineered Reflectors **ALZAK** *Aluminum*

Guth Prismatic Lenses, with considerable more punch yet retaining good diffusing qualities, are of primary advantage for determining light performance. The control of light distribution, whether concentrated focal-beam, wide light-spread, or their mediums, is effected by selective positioning of the lamp-filament in relation to the Prismatic Lens. Further, by off-setting the filament from center of the lens, the light is directed to right or left.

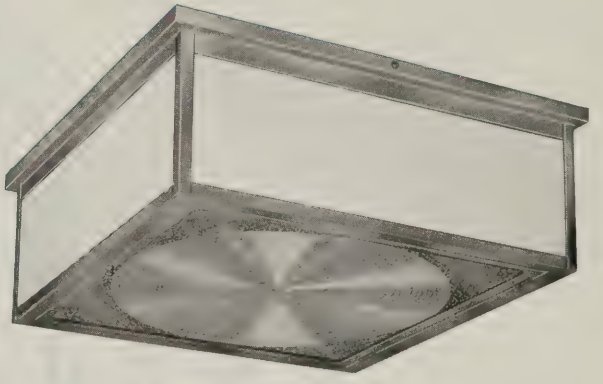


Numerous types and designs, utilizing Prismatic Lenses, are available. Below are listed Recessed and Surface types.

Distribution curves and engineering data are available upon request. Proper surveys for each of your lighting problems will be gladly made by Guth engineers, at no cost or obligation.



*Recessed Units



*Surface Units

● ONE-LIGHT RECESSED BOXES—SQUARE—HINGED FRAME

Cat. No.	Wattage	Position of Lamp	Lens Size	Box Size Width	Box Size Lgth.	Box Size Depth
M1209	75-100	Horizontal	1—6½″	9½″	9½″	6″
M1210	150-200	Horizontal	1—8½″	11″	11″	7″
M1211	150-200	Vertical	1—8½″	11″	11″	11″
M1212	300-500	Horizontal	1—12″	15″	15″	9″
M1213	300-500	Vertical	1—12″	15″	15″	15″

● TWO-LIGHT BOXES—RECTANGULAR—HINGED FRAME

M1214	75-100	Horizontal	2—6½″	9½″	15″	6″
M1215	150-200	Horizontal	2—8½″	11″	20″	7″
M1216	150-200	Vertical	2—8½″	11″	20″	11″
M1217	300-500	Horizontal	2—12″	15″	26″	9″
M1218	300-500	Vertical	2—12″	15″	26″	15″

● FOUR-LIGHT BOXES—SQUARE—HINGED FRAME

M1219	75-100	Horizontal	4—6½″	15″	15″	6″
M1220	150-200	Horizontal	4—8½″	20″	20″	7″
M1221	150-200	Vertical	4—8½″	20″	20″	11″
M1222	300-500	Horizontal	4—12″	26″	26″	9″
M1223	300-500	Vertical	4—12″	26″	26″	15″

● ONE-LIGHT SURFACE BOXES—SQUARE—HINGED FRAME

Cat. No.	Wattage	Position of Lamp	Lens Size	Overall Dimensions Width	Overall Dimensions Lgth.	Overall Dimensions Extends
M1224	75-100	Horizontal	1—6½″	10½″	10½″	6″
M1225	150-200	Horizontal	1—8½″	12″	12″	7″
M1226	150-200	Vertical	1—8½″	12″	12″	11″
M1227	300-500	Horizontal	1—12″	16″	16″	9″
M1228	300-500	Vertical	1—12″	16″	16″	15″

● TWO-LIGHT BOXES—RECTANGULAR—HINGED FRAME

M1229	75-100	Horizontal	2—6½″	10½″	16″	6″
M1230	150-200	Horizontal	2—8½″	12″	21″	7″
M1231	150-200	Vertical	2—8½″	12″	21″	11″
M1232	300-500	Horizontal	2—12″	16″	27″	9″
M1233	300-500	Vertical	2—12″	16″	27″	15″

● FOUR-LIGHT BOXES—SQUARE—HINGED FRAME

M1234	75-100	Horizontal	4—6½″	16″	16″	6″
M1235	150-200	Horizontal	4—8½″	21″	21″	7″
M1236	150-200	Vertical	4—8½″	21″	21″	11″
M1237	300-500	Horizontal	4—12″	27″	27″	9″
M1238	300-500	Vertical	4—12″	27″	27″	15″

Notes: Finishes: Aluminum reflector, finished genuine Guth ALZAK. Exposed frames, standard finish is Satin Cadmium; other finishes will be furnished. Recessed boxes, processed by Udylite, for protection against rust. Allow ¼ inch full beyond recessed box dimensions for hole in ceiling. Other types and designs, utilizing Prismatic Lenses, will be gladly submitted.

PRICES FURNISHED UPON APPLICATION

"TRIPLE A" ALZAK REFLECTORS FOR RECESSED LIGHTING

Flange (Open) Types, and Flange or Hinged Types with Glass, Louvres, and Guards — Also Shallow Recessed Drums

1. Flange (Open) Types, and Shallow Drums, listed on this page.
2. Hinged Types with Glass, Louvres, and Guards, listed on Page 62.
3. Flange Types with Glass, Louvres, and Guards, listed on Page 63.

"Triple A" ALZAK aluminum reflectors are especially adapted for recessed lighting. With silver-white efficiency of ALZAK, permanently sealed, the scientifically designed reflectors provide remarkable smoothness of lighting results. ALZAK aluminum reflectors are "permanent" in every sense of the word. They do not deteriorate nor turn brittle from heat or age, due to the fact that they are formed of metal—not glassy vitreous materials. Also, they do not break or chip when dropped or struck.

• Open Type

FLANGE TYPES: Not hinged. There are two general groups of flange types. (1) When recessed lighting requires no glass or guard, the reflector seats "on the flange," as shown above. (2) When flanges are fitted with glass, louvres, and guards the reflector is supported above the flange. (See pages 62 and 63.)

When Space Above Ceiling Is Limited: Use shallow round drums with or without hinged units. Only 4" height is required. Prices listed on this page.

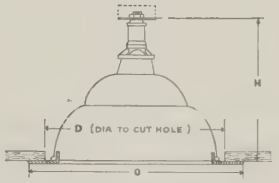
Wattage: Determine same as open mounting. (See page No. 62.)

FLANGE UNITS — OPEN TYPE

Including "Triple A" Reflector, Holder, Socket and Flange

	Distributing Type				Semi-Concentrating Type			
Cat. No.	**M1066**	**M1067**	**M1068**	**M1069**	**M1056**	**M1057**	**M1058**	**M1059**
Wattage	75-100	150-200	300-500	750-1500	75-100	150-200	300-500	750-1500
Price, Each	**$5.75**	**$7.75**	**$13.75**	**$25.00**	**$6.50**	**$9.25**	**$16.50**	**$30.00**
Reflector No.	AAA71	AAA73	AAA75	AAA17	AAA71S	AAA73S	AAA75S	AAA19
Dimension, H.	8"	10"	11½"	17"	8"	10"	11½"	17"
Dimension, D.	8¼"	10¼"	12¼"	18¼"	8¼"	10¼"	12¼"	18¼"
Dimension, O.	10"	12"	14"	21"	10"	12"	14"	21"

Notes: ALZAK reflecting surfaces render flexibility of light-beams delivered. Diffuse ALZAK surface delivers 60° beams. Specular ALZAK reflecting surface delivers 30° beam. Wire or Lamps not included in above prices. Standard package of recess units is one.



• On Open Type Flange Units Reflector Seats on Flange.

SHALLOW ROUND DRUMS

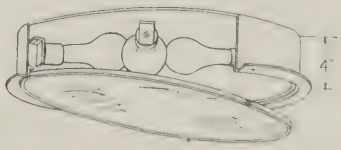
OPEN TYPE
Includes Reflector and Sockets only.

Cat. No.	Wattage	Price, Each	Diam. to Cut Hole "D"
M1060	One 50 or 60	**$7.50**	8¼"
M1061	Two 75 or 100	**10.00**	10¼"
M1062	Four 100 or 150	**15.00**	16¼"

WITH HINGED RING AND GLASS
Includes Reflector, Sockets and Hinged Ring with Opal Glass

Cat. No.	Wattage	Price, Each	Diam. to Cut Hole "D"
M1063	One 50 or 60	**$12.00**	8¼"
M1064	Two 75 or 100	**18.00**	10¼"
M1065	Four 100 or 150	**25.00**	16¼"

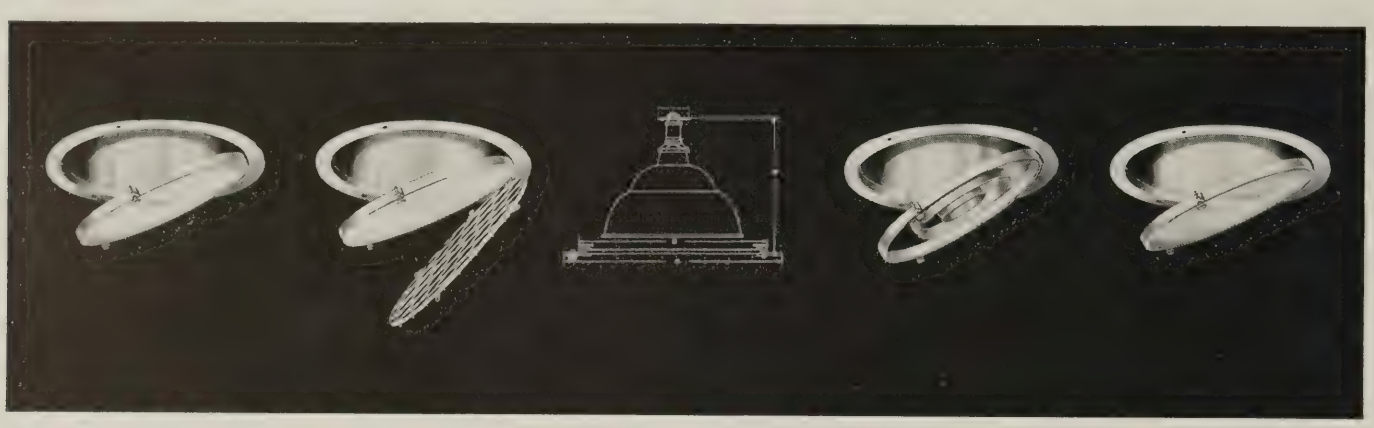
Note: Wire and Lamps not included.



• Shallow drums require a height of only 4 inches. Drums are formed of steel, cadmium plated for rust protection, and finished aluminum inside.

Guth RECESSED LIGHTING WITH HINGED UNITS

Guth "Triple A" reflectors with Hinged Frames as listed below can be installed on either wood, concrete, or metal ceilings. Also, when used with plaster rings, listed below, they are applicable to plaster ceilings. Wattage is to be determined same as on open type mounting. See below for further information on wattages.

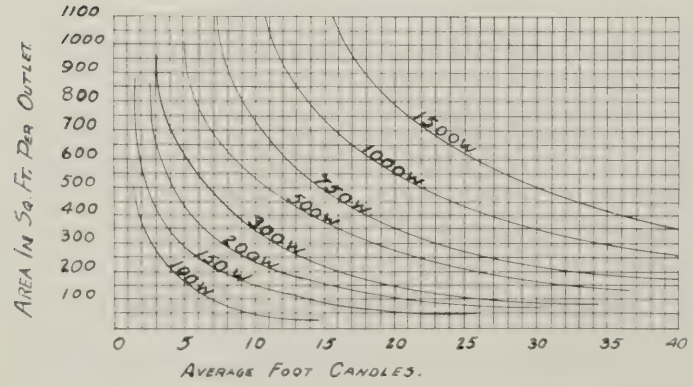


•Hinged Frame and Sanded Glass • Hinged Frame and Sanded Glass with Guard •Cross Section •Hinged Frame and Concentric Louvres •Hinged Frame and Wire Glass

Wattage	"Triple A" ALZAK Reflector (Holder and Socket Included)	Type "A" Hinged Frame and Sanded Glass	Type "B" Hinged Frame with Sanded Glass and Guard	Type "C" Hinged Frame with Concentric Louvres	Type "D" Hinged Frame with Wire Glass	Dimensions Min. Height (H)	Dimensions Hole Diam. (D)	Dimensions Rim Diam. (O)	Plaster Ring if Required
75-100	No. AAA71 Distributing Type	**M1071A $10.50**	**M1071B $15.90**	**M1071C $10.50**	**M1071D $10.50**	10″	8¼″	10½″	**$2.00**
150-200*	No. AAA73 Distributing Type	**M1073A $13.10**	**M1073B $20.60**	**M1073C $13.10**	**M1073D $13.10**	12″	10¼″	12½″	**$2.50**
300-500	No. AAA75 Distributing Type	**M1075A $21.90**	**M1075B $31.90**	**M1075C $21.90**	**M1075D $21.90**	13½″	12¼″	15″	**$3.00**
750-1500	No. AAA17 Distributing Type	**M0017A $37.50**	**M0017B $48.50**	**M0017C $37.50**	**M0017D $37.50**	20″	18¼″	22″	**$4.00**
75-100	No. AAA71S Semi-Concentrating	**M1071AS $11.00**	**M1071BS $16.60**	**M1071CS $11.00**	**M1071DS $11.00**	10″	8¼″	10½″	**$2.00**
150-200*	No. AAA73S Semi-Concentrating	**M1073AS $14.60**	**M1073BS $22.10**	**M1073CS $14.60**	**M1073DS $14.60**	12″	10¼″	12½″	**$2.50**
300-500	No. AAA75S Semi-Concentrating	**M1075AS $24.40**	**M1075BS $34.40**	**M1075CS $24.40**	**M1075DS $24.40**	13½″	12¼″	15″	**$3.00**
750-1500	No. AAA19 Semi-Concentrating	**M0019A $44.00**	**M0019B $51.00**	**M0019C $44.00**	**M0019D $44.00**	20″	18¼″	22″	**$4.00**

*New 300-watt PS35 medium base lamp can be used in this type unit.

Notes: "Plaster rings" serve as a "Ground" to plaster on; also, as a base for securely mounting hinged rings, to make the ceiling rigid by reinforcing lathing around the opening. "Plaster rings" are formed of heavy gauge metal, and should be on the job when lath work is being done.



Determining Wattages and Area Per Outlet

The building construction (beams, columns, etc.) will determine the entire room into bays. Three considerations for determining wattages are:

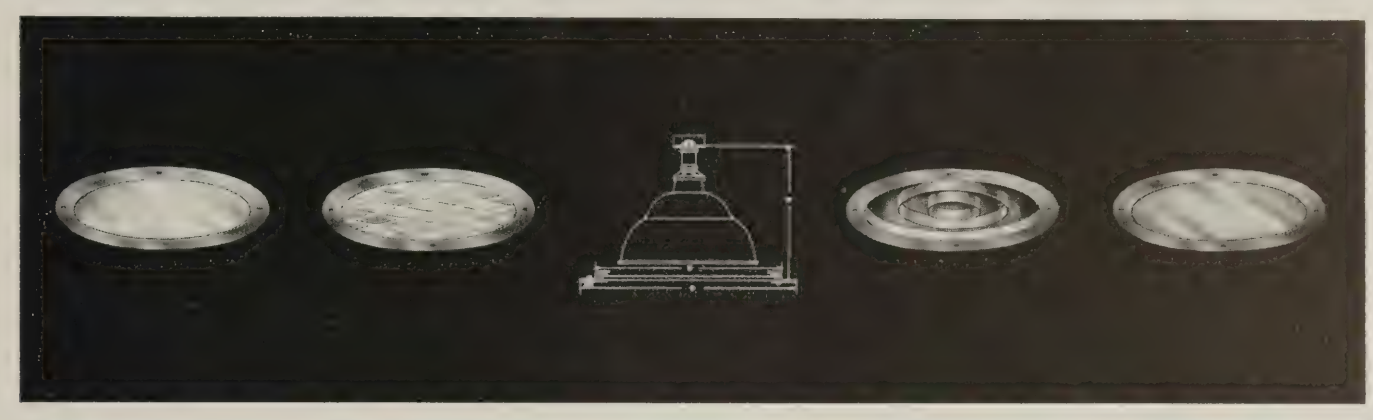
(1) The amount of light (in foot-candles) required — see following page.

(2) Outlet spacing for Distributing Type reflectors should not exceed the ceiling height. When semi-concentrating reflectors are used the spacing should not exceed three-quarters of the ceiling height.

(3) Wattage of each outlet can be determined by chart at left. Guth engineers are available, at no obligation, to aid in making more complete analysis. Please call us.

Guth RECESSED LIGHTING WITH FLANGE UNITS . . . Not Hinged

"Triple A" recessed lighting units of Flange Type with glass, louvres, and guards are constructed so that the glass or louvres will slide up over the ceiling when lamps are replaced. Plaster rings are available as listed on right side of page. Reflectors do not seat on flange when glass is used, but are suspended as shown in cross-section.



• Flange and Sanded Glass • Flange and Sanded Glass with Guard • Cross Section • Flange and Concentric Louvres • Flange and Wire Guard

Wattage	"Triple A" ALZAK Reflector (Holder and Socket Included)	Type "W" Frame and Sanded Glass	Type "X" Frame and Sanded Glass with Guard	Type "Y" Frame and Concentric Louvres	Type "Z" Frame and Wire Glass	Dimensions — Min. Hght. (H)	Dimensions — Hole Diam. (D)	Dimensions — Rim Diam. (O)	Plaster Ring if Required
75-100	No. AAA71 Distributing Type	**M1071W $7.75**	**M1071X $13.40**	**M1071Y $7.75**	**M1071Z $7.75**	10″	8¼″	10½″	**$2.00**
150-200*	No. AAA73 Distributing Type	**M1073W $10.00**	**M1073X $17.50**	**M1073Y $10.00**	**M1073Z $10.00**	12″	10¼″	12½″	**$2.50**
300-500	No. AAA75 Distributing Type	**M1075W $18.50**	**M1075X $28.75**	**M1075Y $18.50**	**M1075Z $18.50**	13½″	12¼″	15″	**$3.00**
750-1500	No. AAA17 Distributing Type	**M0017W $32.50**	**M0017X $40.00**	**M0017Y $32.50**	**M0017Z $32.50**	20″	18¼″	22″	**$4.00**
75-100	No. AAA71S Semi-Concentrating	**M1071WS $8.50**	**M1071XS $14.60**	**M1071YS $8.50**	**M1071ZS $8.50**	10″	8¼″	10½″	**$2.00**
150-200*	No. AAA73S Semi-Concentrating	**M1073WS $11.50**	**M1072XS $19.00**	**M1073YS $11.50**	**M1073ZS $11.50**	12″	10¼″	12½″	**$2.50**
300-500	No. AAA75S Semi-Concentrating	**M1075WS $21.00**	**M1075XS $31.50**	**M1075YS $21.00**	**M1075ZS $21.00**	13½″	12¼″	15″	**$3.00**
750-1500	No. AAA19 Semi-Concentrating	**M0019W $37.50**	**M0019X $48.50**	**M0019Y $37.50**	**M0019Z $37.50**	20″	18¼″	22″	**$4.00**

*New PS35 medium base 300-watt lamp can be used in this type unit. All recessed units are packed one to a carton.

Lighting — RECOMMENDED INTENSITIES (In Foot Candles)

Armories—
Drill Sheds....10
Exhibition Halls....15

Art Galleries—
General.... 5
On Paintings....25-100

Auditoriums....10

Auto Showrooms....20

Bank—
Lobby....10
Cages and Office....50-100

Court Rooms....10

Dance Halls....5-10

Garages....5-10

Hotel—
Lobby....10
Dining Rooms.... 5

Library—
Reading Room....15
Shelves.... 5

Museum—
General....10
Special Exhibits....25-100

Post Office—
Lobby....10
Sorting....15
Offices....20

Stores—Department and Large Specialty—
Main Floors....20
Basement Store....15

Stores—Medium Size and Departments in Large Stores—
Art....15
Auto Supply....20
Bake Shop....20
Book....20
China....15
Cigar....15
Clothing....20
Confectionery....20
Dairy Products....20
Decorator....15
Drug....15
Dry Goods....20
Electrical Supplies....20
Florist....16
Furrier....20
Furniture....20
Grocery....20

Stores—Medium Size and Departments in Large Stores—Continued
Haberdashery....20
Hardware....15
Hat....20
Jewelry....20
Leather, Handbags and Trunks....20
Meat....20
Millinery....20
Music....20
Notions....20
Piano....20
Shoe....20
Sporting Goods....20
Tailor....20
Tobacco....15
Variety Store....20

EDWIN F. GUTH COMPANY

THE NEW Guth Glo

U. S. Pat. No. 85382. Other U. S. and Foreign Pats. Pending.—Trade Mark Reg.

RECESSED INDIRECT LIGHTING—UNIT and STRIP SECTIONS

Reflector ALZAK Aluminum

Guth Glo Indirect Lighting provides a practical way to incorporate very attractive and decorative qualities, recessed in the walls.

Reflectors formed with acute angles adjacent to the lamp and increasing to right angles with convex corrugation distributes the surface reflection, resulting in uniform intensity.

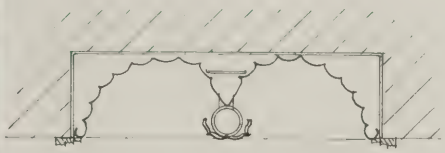
Reflectors are formed of heavy-gauge, selected-grade aluminum, and finished Satin ALZAK Aluminum. ALZAK brightens and permanently seals the aluminum reflectors for efficient lifetime service.

Framings are illustrated in Extruded Brass, Reinforced Copper and Pressed Steel.

Special designs will be furnished upon request; also our Engineering Department is at your disposal in helping to lay out your lighting problems.

Practical application of Guth Glo unit in frieze.

• C3617
GuthGlo Framing



GUTHGLO

—Recessed Indirect Lighting (Continued)

• C3617

GuthGlo framing only. Finish F545 (Old Pewter). Extruded brass.

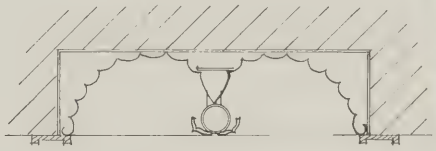
For Reflector Unit			For Reflector Unit		
7½"	Type A	$ 7.50	37½"	Type E	$11.50
15"	Type B & G	8.50	45"	Type F & I	12.50
22½"	Type C	9.50	60"	Type J	14.50
30"	Type D & H	10.50	Each Additional 7½"		1.00

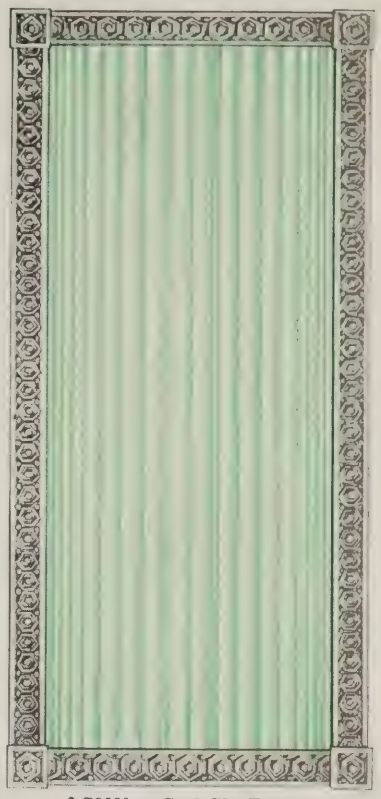
• C3631

GuthGlo Framing only. Finished F753 (Two Tone Pewter). Pressed Steel.

For Reflector Unit			For Reflector Unit		
7½"	Type A	$13.10	37½"	Type E	$18.50
15"	Type B & G	14.70	45"	Type F & I	20.10
22½"	Type C	15.30	60"	Type J	23.30
30"	Type D & H	16.90	Each Additional 7½"		1.60

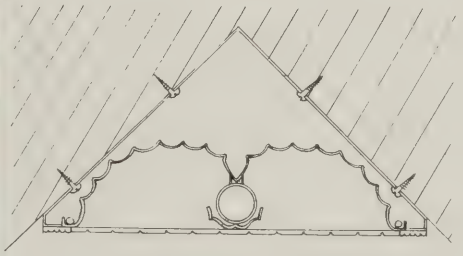
Above prices cover Metal Framing only. Prices on GuthGlo Reflector Units and Recessed Boxes are shown on Page 66.





• C3631 — GuthGlo Framing

• C3657 — Corner Unit



• C3657 — Corner Unit

Finish F545 (Old Pewter)

Height	Width	Light	Price	Height	Width	Light	Price
7½"	14"	1	$23.50	22½"	14"	3	$37.50
*15"	14"	1	27.00	*30"	14"	2	39.50
15"	14"	2	30.50	30"	14"	4	44.50

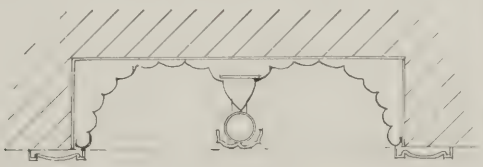
*Made for 150-Watt T10 Lamps.
Others for 25 and 40-Watt T10 Lamps.
Each Additional 7½", for 25 and 40-Watt Lamps..... $ 7.00
Each Additional 15", for 150-Watt Lamps..... 12.50

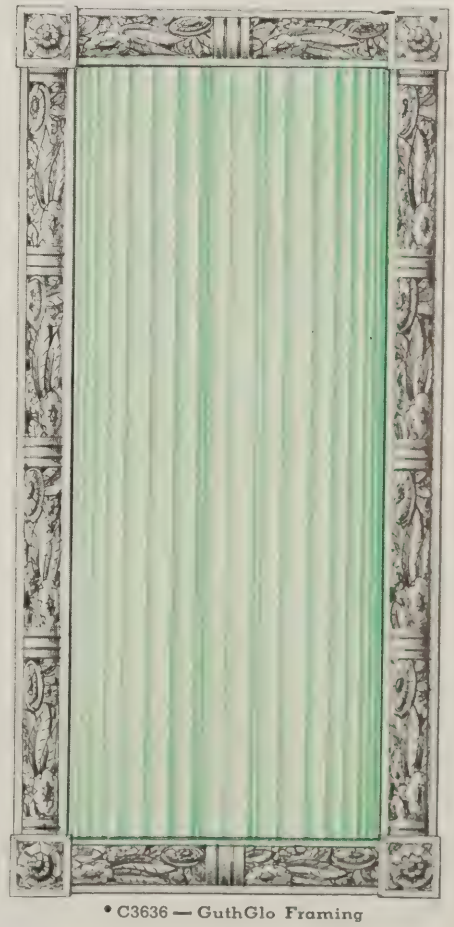
• C3636

GuthGlo framing only. Finish F364 (French Gold). Copper re-inforced.

For Reflector Unit			For Reflector Unit		
7½"	Type A	$27.00	37½"	Type E	$47.00
15"	Type B & G	32.00	45"	Type F & I	52.00
22½"	Type C	37.00	60"	Type J	62.00
30"	Type D & H	41.00	Each Additional 7½"		5.00

Above prices cover Metal Framing only. Prices on GuthGlo Reflector Units and Recessed Boxes are shown on Page 66.

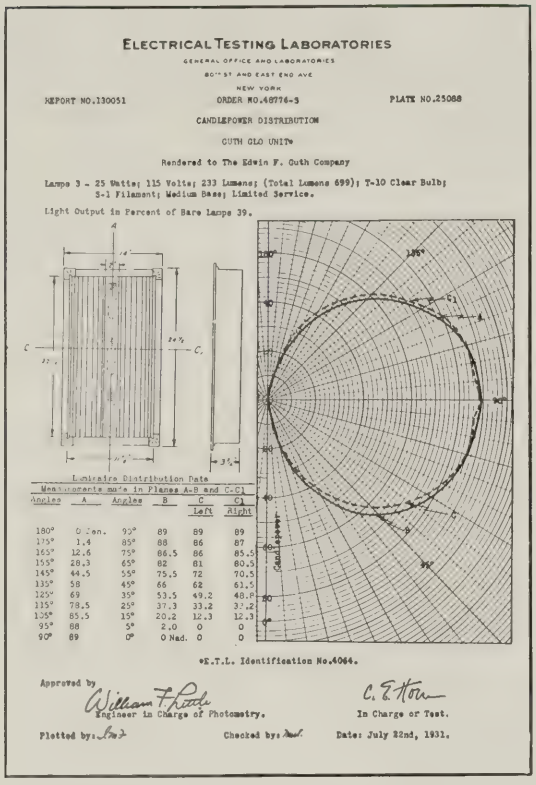




• C3636 — GuthGlo Framing

U. S. Pat. No. 85382. Other U. S. and Foreign Pats. Pending.—Trade Mark Reg.

GUTHGLO — *Recessed Indirect Lighting* (Continued)



ELECTRICAL TESTING LABORATORIES

GENERAL OFFICE AND LABORATORIES
80TH ST AND EAST END AVE
NEW YORK

REPORT NO.130051 ORDER NO.48776-S PLATE NO.25088

CANDLEPOWER DISTRIBUTION

GUTH GLO UNIT*

Rendered to The Edwin F. Guth Company

Lamps 3 - 25 Watts; 115 Volts; 233 Lumens; (Total Lumens 699); T-10 Clear Bulb; 3-1 Filament; Medium Base; Limited Service.

Light Output in Percent of Bare Lamps 39.

Luminaire Distribution Data
Measurements made in Planes A-B and C-C1

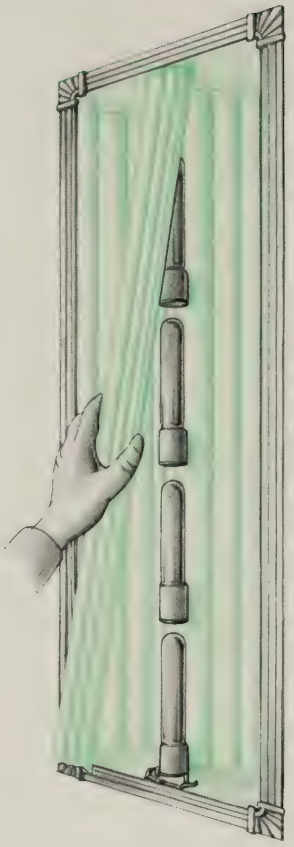
Angles	A	Angles	B	C Left	C1 Right
180°	0 Gen.	90°	89	89	89
175°	1.4	85°	88	86	87
165°	12.6	75°	86.5	86	85.5
155°	28.3	65°	82	81	80.5
145°	44.5	55°	75.5	72	70.5
135°	58	45°	66	62	61.5
125°	69	35°	53.5	49.2	48.8
115°	78.5	25°	37.3	33.2	37.2
105°	85.5	15°	20.2	12.3	12.3
95°	88	5°	2.0	0	0
90°	89	0°	0 Nad.	0	0

*E.T.L. Identification No.4064.

Approved by William F. Little, Engineer in Charge of Photometry. C. E. Horn, In Charge of Test.

Plotted by: Checked by: Date: July 22nd, 1931.

The illumination results of GuthGlo produce decorative and attractive effects rather than intense light; and is so recommended.



Shows how easily reflector shield can be removed for cleaning or relamping without use of tools.

Shield is held rigidly in position by concealed spring. By raising shield it is free to remove.

GUTHGLO
REFLECTOR UNITS

For T10 — 25 and 40-Watt Lamps

Standard Finish Satin ALZAK Aluminum.

Type	Length	Width	Lights	List Price
A	7½″	13½″	1	**$10.00**
B	15″	13½″	2	**15.00**
C	22½″	13½″	3	**20.00**
D	30″	13½″	4	**25.00**
E	37½″	13½″	5	**30.00**
F	45″	13½″	6	**35.00**
Each additional 7½″.....				**5.00**

For T10 — 150-Watt Lamps

Type	Length	Width	Lights	List Price
G	15″	13½″	1	**$12.50**
H	30″	13½″	2	**20.00**
I	45″	13½″	3	**27.50**
J	60″	13½″	4	**35.00**
Each additional 15″.....				**7.50**

Above price complete, with sockets and wire, but not lamps.

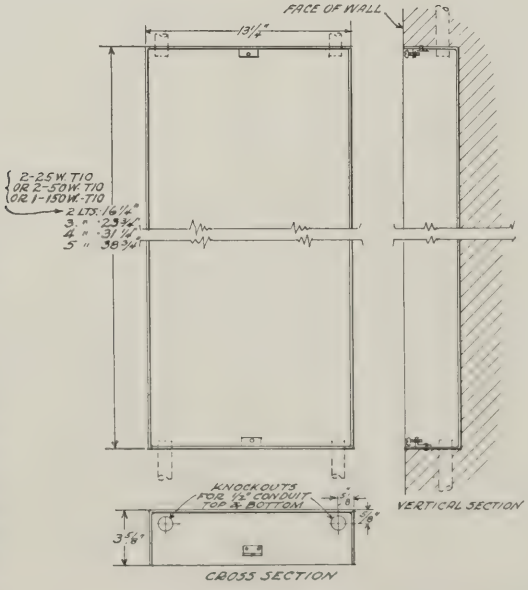
Above prices on GuthGlo Reflector Units do not include metal framing or boxes . . . Prices on recessed boxes shown to left . . . Prices on Framings shown on page 65.

GUTHGLO
RECESSED CABINETS

Width 13¼ inches, depth 3⅝ inches, length 7½ inches and up. Made of sheet steel of approved gauge. Udylite plated against rust.

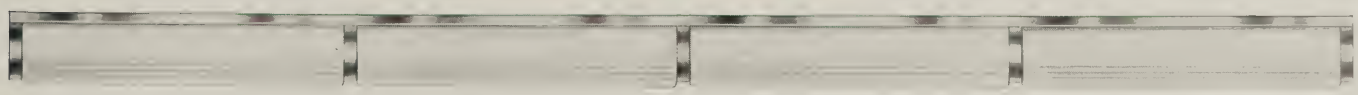
For GuthGlo Unit

Type AX....	Type A	.....**$ 6.00**
Type BX....	Type B & G	..... **7.00**
Type CX....	Type C	..... **8.00**
Type DX....	Type D & H	..... **9.00**
Type EX....	Type E	..... **10.00**
Type FX....	Type F & I	..... **11.00**
Type JX....	Type J	..... **13.00**
For each additional 7½″.....		**1.00**



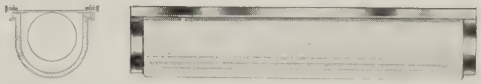
SURFACE STRIP UNITS *and* BRACKETS

With Moulded White-Opal and Satin-Crystal Glass Troughs
For Lumiline or Regular Lamps

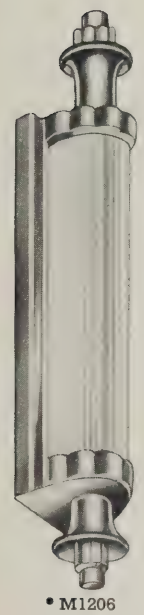


• M1204-R&L, 4-LENGTHS

For Vertical and Horizontal Use



• CROSS-SECTION • M1201-R&L, 1-LENGTH



• M1206
Bracket and Ceiling Fixture

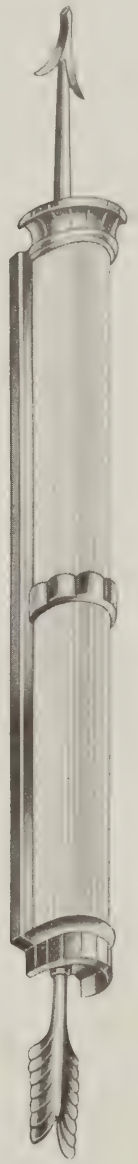
Guth Surface Lighting Strips and Wall Brackets are of refined and simple design. Their uses are numerous. The fixtures can be used for vertical and horizontal mounting.

The different types are rigidly constructed with heavy-gauge brass frames, and the M1200 and M1206 fixtures have cast bronze decorations.

Two types of glass can be furnished, at option. The white opal is supplied regularly, unless satin crystal is specified.

The units are furnished, either with twin sockets for regular lamp—15 watts each, or with sockets for 12-inch Lumiline lamps — of 40 watts capacity.

Standard finish of the fixtures is satin cadmium, but other finishes can be supplied.



• M1200
Bracket and Ceiling Fixture

● **Nos. M1201R TO M1205R (FOR REGULAR LAMPS)**

Cat. No.	No. of Lights	Lamp and Size	Overall Lgth.	Overall Width	Overall Ext.	Price
M1201R	2	Type A—15-W.	14¾″	3½″	3″	**$14.00**
M1202R	4	Type A—15-W.	29″	3½″	3″	**24.00**
M1203R	6	Type A—15-W.	43¼″	3½″	3″	**34.00**
M1204R	8	Type A—15-W.	57½″	3½″	3″	**44.00**
M1205R	10	Type A—15-W.	71¾″	3½″	3″	**52.00**

● **Nos. M1201L TO M1205L (FOR LUMILINE LAMPS)**

Cat. No.	No. of Lights	Lamps and Size	Overall Lgth.	Overall Width	Overall Ext.	Price
M1201L	1	Lumiline—40-W.	14¾″	3½″	3″	**$14.00**
M1202L	2	Lumiline—40-W.	29″	3½″	3″	**24.00**
M1203L	3	Lumiline—40-W.	43¼″	3½″	3″	**34.00**
M1204L	4	Lumiline—40-W.	57½″	3½″	3″	**44.00**
M1205L	5	Lumiline—40-W.	71¾″	3½″	3″	**52.00**

● **No. M1206 — L&R**

Cat. No.	No. of Lights	Lamp and Size	Overall Lgth.	Overall Width	Overall Ext.	Price
M1206R	2	Type A—15-W.	25″	3½″	3½″	**$30.00**
M1206L	1	Lumiline—40-W.	25″	3½″	3½″	**30.00**

● **No. M1200 — L&R**

Cat. No.	No. of Lights	Lamp and Size	Overall Lgth.	Overall Width	Overall Ext.	Price
M1200R	4	Type A—15-W.	49½″	3½″	4″	**$65.00**
M1200L	2	Lumiline—40-W.	49½″	3½″	4″	**65.00**

See Other Surface Types on Pages 30, 31 and 72. Thank You!

"LOUVRE-LENS" FIXTURES

Patent Pending

Efficient Glass "Louvre-Lens"— For Wider Light-Distribution With **ALZAK** *Reflectors*

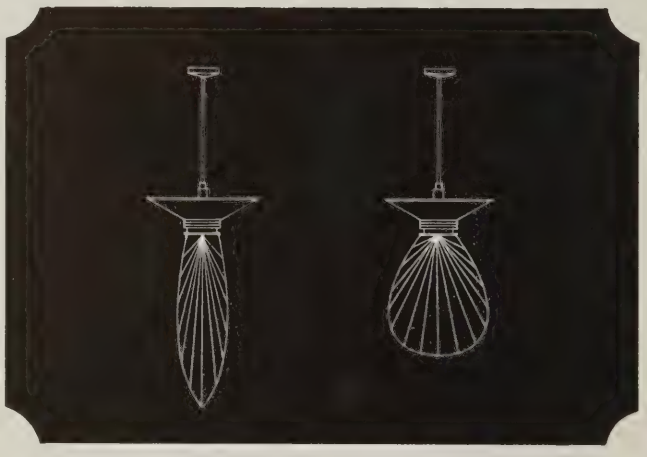
● **Guth "Louvre-Lens"**

The new Guth "Louvre-Lens" (Patent Pending) is moulded in pleasing design of crystal glass, acid-etched, and is available in two sizes. The primary advantage of "Louvre-Lens" is wide-angle light distribution. It may be compared to relative concentrated beams obtained with metal louvres (see Diagram A). "Louvre-Lens" are heat-proof, and are easily cleaned.

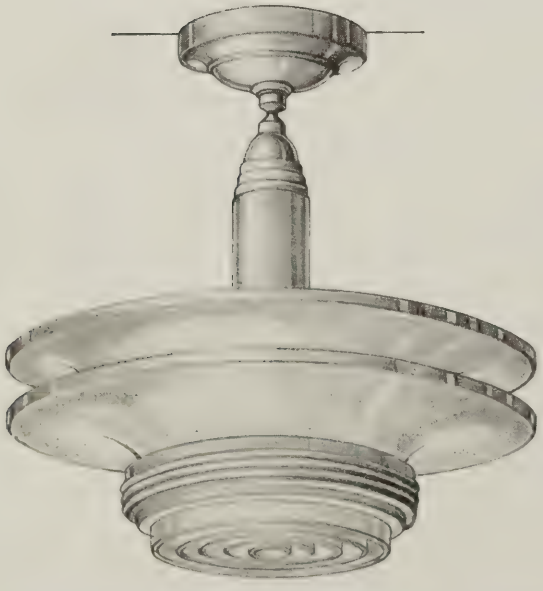
The reflectors used with Guth "Louvre-Lens" are made of selected grade aluminum metal; they are electrolytically brightened and permanently sealed by the ALZAK process for lifetime efficient service. As mentioned above, greater reflecting angles are accomplished with Guth "Louvre-Lens." Due to this the ALZAK aluminum reflectors used with "Louvre-Lens" are made for widest angle light-distribution.

Guth "Louvre-Lens" are available for many uses. Pendant luminaires (see page 69), Close Ceiling Type (listed below), and Recessed Lighting units (see following page). Variations desired in design and application, will be gladly worked out by our competent engineering and designing departments.

ALZAK aluminum reflectors are incorporated with most types to assure permanent high efficiency of Guth "Louvre-Lens" units.



● **Metal Louvre Lens – Glass Louvre Lens Diagram "A"**



• 6063

"LOUVRE LENS"— CLOSE CEILING UNIT

The "Louvre-Lens" Close Ceiling Units are of direct-indirect nature, and with pleasing light-spills through louvres, are of good appearance. The units are available in two sizes, and longer lengths may be had when required.

Cat. No.	Wattage	Diameter	Length	Price
R6063	150-200	17″	14½″	**$36.00**
R6064	300-500	20½″	17″	**45.00**

Notes: These units are available with stems for lengthening, if desired. Add $0.60 per foot list. Upon request, the R6063 will be furnished with mogul socket, $0.50 list extra, for 300 or 500 watt lamps. The R6064 can be used with 750 to 1500 watt capacity, when specified.

"LOUVRE-LENS" ILLUMINATOR

•R6006

The "Louvre-Lens" Illuminator is especially applicable where localized lighting is needed to supplement modern indirect lighting (see pages 26, 27). In jewelry stores where direct light rays add brilliancy to the merchandise displayed, or also, on special displays where direct beam lighting will spot-light that area, "Louvre-Lens" Illuminator will prove of pronounced advantage.

Cat. No.	Wattage	Diameter	Length	Price
R6006	300-500	18″	36″	**$18.00**
R6065	750-1500	22″	42″	**26.50**

"LOUVRE-LENS" CEILING UNIT

The "Louvre-Lens" Ceiling Unit is an efficient direct lighting fixture that may be interchangeably spaced with indirect lighting luminaires (pages 26, 27). Also, this unit may be used alone with very good results.

A separate ALZAK aluminum reflector is used inside. Together with the good light transmission of the glass "Louvre-Lens" itself, this "Ceiling Unit" is very efficient.

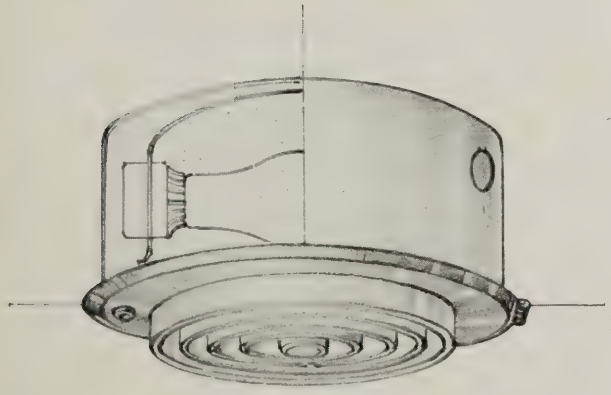
For pleasing exterior appearance the "Louvre-Lens" Ceiling Unit has a light-spill through louvres. The unit is available in two sizes.

Cat. No.	Wattage	Overall Diam.	Extends	Price
R6066	100-150	15″	11″	**$22.50**
R6080	200-300*	17″	14″	**30.00**

*New PS-35 Medium Base 300-watt Lamp.

"LOUVRE-LENS" RECESSED UNITS

May be had in Multiple Grouping for Architectural Treatment



SHALLOW TYPE

The "Louvre-Lens" Recessed Units are of two types. The shallow type is for use where space above ceiling is limited; deep type is for use with angle ceiling space.

The shallow types have porcelain enamel reflectors, and deep types have ALZAK reflectors.

DEEP TYPE

Cat. No.	Wattage	Min. Height	Hole Dia.	Rim Dia.	Price
R6067	75-100	4¼″	9¼″	10″	**$18.00**
R6068	150-200-300*	5″	12¼″	14″	**22.00**

*New PS-35 Medium Base 300-watt Lamp.

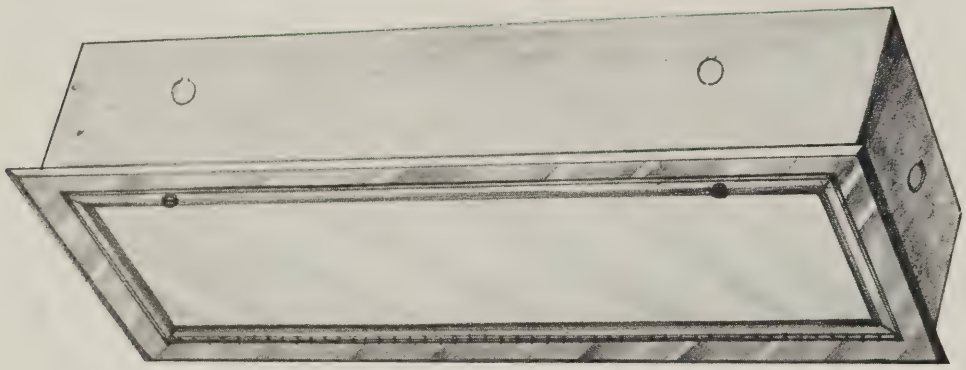
Cat. No.	Wattage	Min. Height	Hole Dia.	Rim Dia.	Price
R6069	75-150	10″	9¼″	10½″	**$13.50**
R6070	200-300*	12″	10¼″	12½″	**16.10**

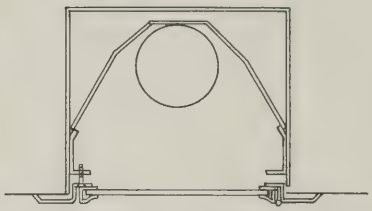
*New PS-35 Medium Base Lamp.

FLUSH RECESSED LIGHT BOXES

Numerous Standard Sizes — May be "Tailored" for the Installation

Reflector **ALZAK** *Aluminum*





ALZAK Efficiency: The inside reflector in each of these boxes is formed of selected-grade aluminum and finished ALZAK, the new efficient and permanent reflecting surface. ALZAK is 27 per cent more efficient than porcelain enamel or chromium. ALZAK is heatproof.

Easy to Install: Ordinarily the boxes are required ahead of frames. Guth's simple method of frame attachment to box, expedites installation time. Angles for plaster ceilings will be furnished at small additional list; prices upon request.

Easy Wiring: Knockouts are provided in steel box to minimize wiring time.

Adjustable Porcelain Sockets: Approved by Underwriters, Guth porcelain sockets are adjustable to assure correct filament-positioning for various size lamps. Sockets are placed high, providing even distribution of light on glass. Twin sockets will be supplied upon request — optional.

Flashed Opal Glass Panels: Good appearance and even lighting of panels. Also, opal glass renders good light transmission. Sandblasted, dense opal, or decorative colored glass furnished optional upon request. "Prismatic Lenses" (see page 60) will be furnished for some sizes, at an additional list.

Glass Channel Frame: More rigid holding of glass panels—neater job, with glass channel frame. No loosely soldered clips to fall out under lamp heat. Glass slides out from one open end. Minimizes glass breakage.

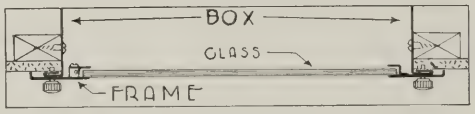
Hinges as Long as Glass Frame: Greater service and strength from these heavy long hinges. Also, more attractive and neater.

No Light Leakage: Extra wide frame in Z channel form prevents light leakage; and also plaster from falling.

Heavy-Gauge Steel Housing: Made of heavy gauge steel, the boxes are plated by the Udylite process — protecting against rust.

Vented Against Heat: All steel boxes are well ventilated to amply take care of excessive lamp heat.

WITH STATIONARY FRAMES



Light boxes are also furnished with stationary frames constructed as shown. Made of steel. Prices upon application.

FLUSH BOX SCHEDULE

Catalog Number	For Standard Lamps	Design	No. of Sockets	Box Dimensions — Depth	Box Dimensions — Width	Box Dimensions — Length	Frame Dimensions — Width	Frame Dimensions — Length	Price
M1140-1	Up to 40-Watt	Square	1	7″	7½″	7½″	9″	9″	**$ 16.25**
M1140-4			4	7″	15″	15″	16½″	16½″	**37.50**
M1141-2	Up to 40-Watt	Rectangular	2	7″	7½″	15″	9″	16½″	**$ 21.25**
M1141-4			4	7″	7½″	29″	9″	30½″	**33.75**
M1141-6			6	7″	7½″	43″	9″	44½″	**47.50**
M1141-8			8	7″	7½″	57″	9″	58½″	**62.50**
M1141-10			10	7″	7½″	71″	9″	72½″	**81.50**
M1142-1	Up to 100-Watt	Square	1	8″	9½″	9½″	11½″	11½″	**$ 26.25**
M1142-4			4	8″	18″	18″	20″	20″	**55.00**
M1143-2	Up to 100-Watt	Rectangular	2	8″	9½″	18″	11½″	20″	**$ 31.90**
M1143-4			4	8″	9½″	36″	11½″	38″	**46.90**
M1143-6			6	8″	9½″	54″	11½″	56″	**62.50**
M1143-8			8	8″	9½″	72″	11½″	74″	**87.50**
M1143-10			10	8″	9½″	90″	11½″	92″	**112.50**
M1144-1	Up to 200-Watt	Square	1	11″	14″	14″	16″	16″	**$ 33.75**
M1144-4			4	11″	26″	26″	28″	28″	**70.00**
M1145-2	Up to 200-Watt	Rectangular	2	11″	14″	26″	16″	28″	**$ 43.75**
M1145-4			4	11″	14″	50″	16″	52″	**63.75**
M1145-6			6	11″	14″	74″	16″	74″	**87.50**
M1145-8			8	11″	14″	96″	16″	98″	**120.00**

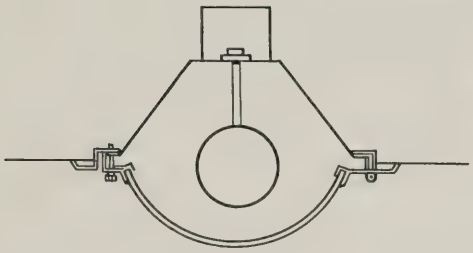
Notes: Frame made of brass is finished Satin Cadmium and lacquered with burn-proof quality lacquer. Also furnished in other finishes. All units are furnished completely wired. Lamps not included.

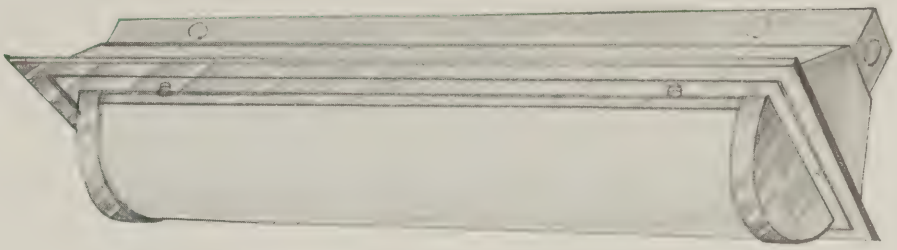
See Pages 61-63 for unit type recessed units. Page 69 shows "Louvre-Lens" type.

See Page 60 for recessed units with Prismatic Lenses.

EXTENDED RECESSED LIGHT BOXES

For Wider Light Distribution — Flash Opal Bent Glass Panels
Reflecting Surface **ALZAK** *Aluminum*





Guth Extended Recessed Light Boxes are especially effective where used in low ceilings, and also where totally recessed light boxes (page 70) do not render the desired light distribution. The lamp-filament in Extended Recessed Units is on the ceiling line, thereby producing greater light-angle beams.

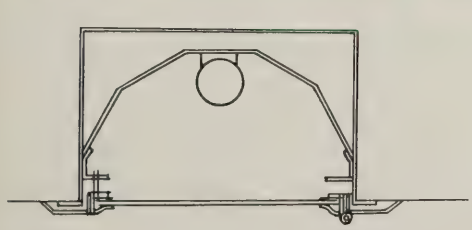
The reflecting surface is of ALZAK aluminum to assure permanent lighting efficiency. Porcelain sockets with Underwriters' approval are furnished. Units are completely wired. The frames are easily removed for lamp replacement.

Catalog Number	For Standard Lamps	No. of Sockets	Dimensions			Frame Size		Price
			Depth	Width	Length	Width	Length	
M1150-2		2	7″	7½″	15″	9″	16½″	**$25.00**
M1150-4		4	7″	7½″	29″	9″	30½″	**37.50**
M1150-6	Up to 40-Watt	6	7″	7½″	43″	9″	44½″	**50.00**
M1150-8		8	7″	7½″	57″	9″	58½″	**62.50**
M1151-2		2	8″	9½″	18″	11″	20″	**$35.00**
M1151-4		4	8″	9½″	36″	11″	38″	**50.00**
M1151-6	Up to 100-Watt	6	8″	9½″	54″	11″	56″	**65.00**
M1151-8		8	8″	9½″	72″	11″	74″	**80.00**

Notes: Frames are made of brass, and finished Satin Cadmium. May be had in other finishes. Ends of these units are of brass, Satin Cadmium finished.

Lamps not included in above prices.

RECESSED BOXES FOR LUMILINE LAMPS



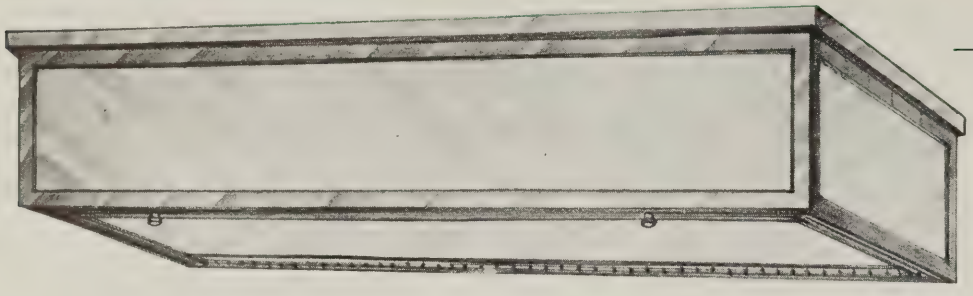
Guth Recessed Light Boxes for Lumiline lamps are constructed of same high quality as standard units listed on Page 70. Frames are continuously hinged, and channel frames hold the White Flashed Opal Glass Panels.

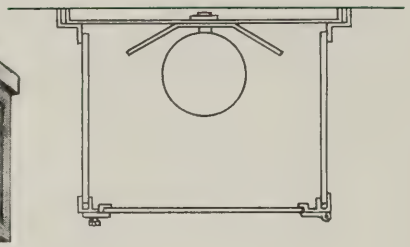
Catalog Number	Box Dimensions			Frame Dimensions		No. of Lamps	Length of Lamps	Price
	Depth	Width	Length	Width	Length			
M1146	6″	7½″	13″	9″	14½″	1	12″	**$21.50**
M1147	6″	7½″	19″	9″	20½″	1	18″	**26.50**
M1148	6″	7½″	25″	9″	26½″	2	12″	**31.50**
M1149	6″	7½″	37″	9″	38½″	2	18″	**46.50**

Notes: Standard Finish of Brass Frames is Satin Cadmium. Lumiline Lamps are not included in above prices. Units are completely wired with Lumiline sockets.

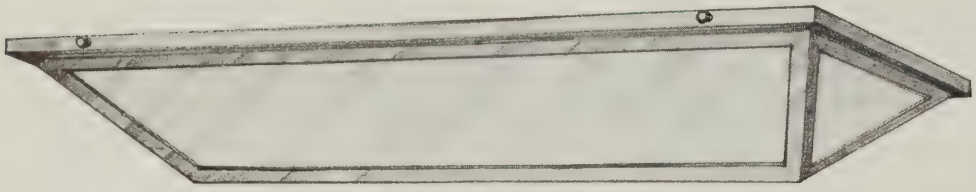
SURFACE LIGHTING TROUGHS

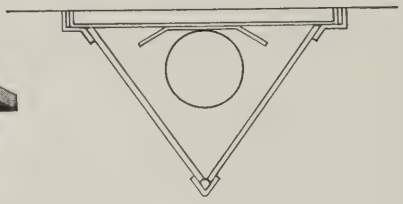
Strongly Made with Brass Frame — Flashed White Opal Glass Panels
Reflecting Surface **ALZAK** *Aluminum*



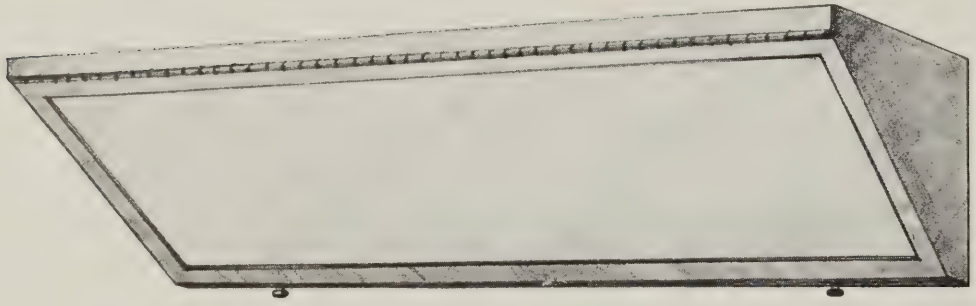


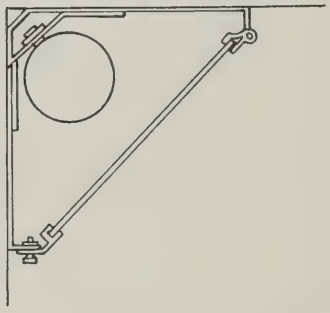
• Type "A" — Rectangular Type





• Type "B" — "V" Shaped Type





• Type "C" — Corner Type

Guth Surface Troughs are rigidly made of heavy gauge metals. The frame is made entirely of brass; a separate steel ceiling plate facilitates installation. Types "A" and "C" have continuous hinges for easy lamp replacement.

Separate ALZAK aluminum reflecting surface is furnished in all types to assure permanent lighting efficiency.

Underwriters' approved porcelain sockets are supplied. The White Opal Glass panels are rigidly held with continuous channel frames.

Catalog Number	For Standard Lamps	No. of Sockets	Overall Dimensions — Extends	Width	Length	Type "A" Price	Type "B" Price	Type "C" Price
M1176-2		2	7″	7½″	15″	**$ 23.40**	**$ 19.10**	**$ 19.10**
M1176-4		4	7″	7½″	29″	**37.15**	**29.40**	**29.40**
M1176-6	Up to 40-Watt	6	7″	7½″	43″	**52.25**	**42.85**	**42.85**
M1176-8		8	7″	7½″	57″	**68.75**	**56.25**	**56.25**
M1176-10		10	7″	7½″	71″	**89.65**	**73.35**	**73.35**
M1177-2		2	8″	9½″	18″	**$ 35.10**	**$ 28.71**	**$ 28.71**
M1177-4		4	8″	9½″	36″	**51.60**	**42.20**	**42.20**
M1177-6	Up to 100-Watt	6	8″	9½″	54″	**68.75**	**56.25**	**56.25**
M1177-8		8	8″	9½″	72″	**96.25**	**78.75**	**78.75**
M1177-10		10	8″	9½″	90″	**123.75**	**101.25**	**101.25**
M1178-2		2	11″	14″	26″	**$ 48.10**	**$ 39.40**	**$ 39.40**
M1178-4		4	11″	14″	50″	**70.10**	**56.40**	**56.40**
M1178-6	Up to 200-Watt	6	11″	14″	74″	**96.25**	**78.75**	**78.75**
M1178-8		8	11″	14″	96″	**132.00**	**108.00**	**108.00**

Notes: When ordering, please specify Catalog Number **and** Type Number. For instance, if ordering Type "B", the "V" shaped trough, for 100-watt lamp size, with 8 sockets, designate as follows: Catalog Number M1177-8, Type "B". Also Code Number (pages 95, 96) will aid in specifying.

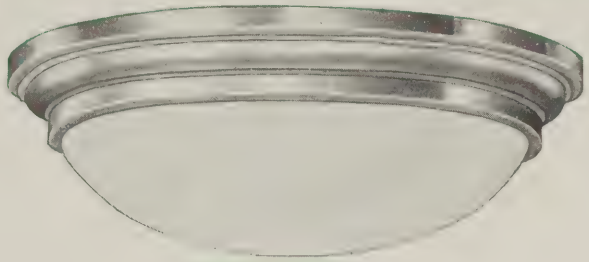
Frame is made of brass and finished Satin Cadmium. Also, furnished in other finishes.

All units are furnished completely wired.

See Pages 30, 31, 67 for other Trough Types.

SURFACE LIGHTING UNITS

With ALZAK or Porcelain Enameled Reflecting Surfaces

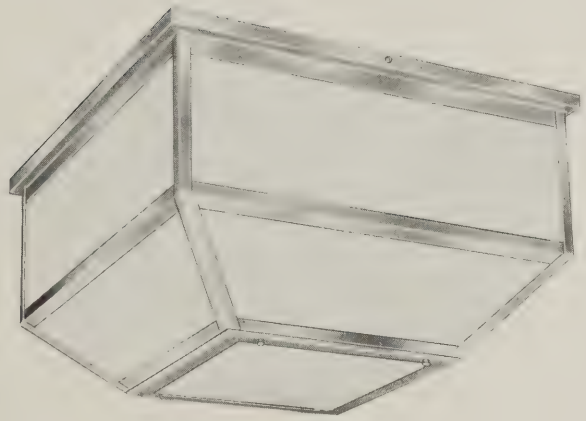


• M1180 to M1183— 1 Light

White or antique bronze porcelain enameled frame. Hinged unit. White opal glass bowl. Reflecting surface, white porcelain enamel.

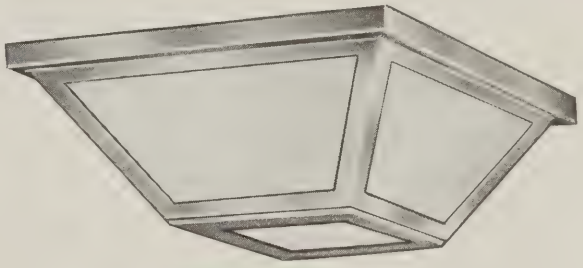
• M1184 to M1187— 1 Light

Made of brass. Standard finish of hinged frame is brushed brass. White opal glass bowl. Reflecting surface, aluminized.



• M1188 & M1189 — 4 Lights

Satin cadmium finished brass frame. White opal glass panels with hinged bottom. Reflecting surface is ALZAK aluminum.



• M1190 to M1192 — 1 Light

Satin cadmium finished brass frame. White opal glass panels. Reflecting surface is ALZAK aluminum.

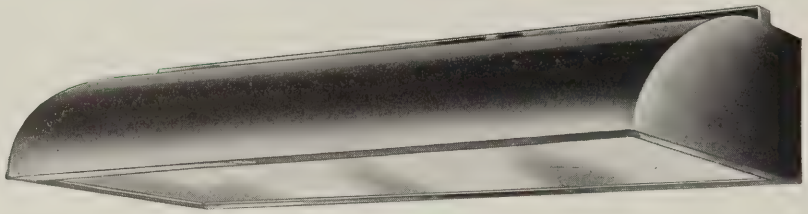
Cat. No.	Wattage	Lights	Width	Depth	Glass	Size	Price
M1180	25 to 40	1	11¼″	4½″	G1751	8″	**10.40**
M1181	25-75	1	13¼″	5½″	G1752	10″	**12.65**
M1182	25-150	1	15½″	6¼″	G1753	12″	**16.50**
M1183	25-200	1	18″	6¾″	G1754	14″	**23.00**
M1184	25 to 40	1	11¼″	4½″	G1751	8″	**10.40**
M1185	25-75	1	13¼″	5½″	G1752	10″	**12.65**
M1186	25-150	1	15½″	6¼″	G1753	12″	**16.50**
M1187	25-200	1	18″	6¾″	G1754	14″	**23.00**
M1188	100-400	4	20″	11″	Panels	...	**62.50**
M1189	100-800	4	24″	13½″	Panels	...	**75.00**
M1190	25-100	1	12″	7″	Panels	...	**25.00**
M1191	25-150	1	14″	8″	Panels	...	**30.00**
M1192	25-200	1	16″	9″	Panels	...	**36.00**

Notes: Above units equipped with single porcelain socket. Two sockets for smaller wattage lamps will be furnished in M1182, M1183, and M1185 to M1188 (incl.) at small additional list.

See Pages 54-57 (incl.) for similar type units.

STANDARD BANK and TICKET WINDOW REFLECTORS

Reflecting Surface **ALZAK** *Aluminum*

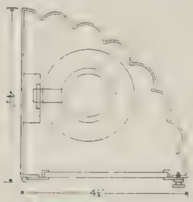


• M1158

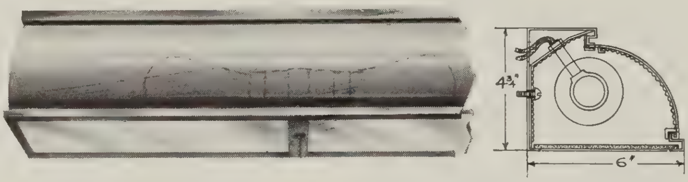
Guth Standard Bank Screen Lighting Units and Ticket Window Reflectors are rigidly and solidly made of the best grade materials and workmanship. Each of the units (M1155 and M1160 excepted) has a separate inside reflecting surface formed of aluminum and finished ALZAK. ALZAK is an efficient reflector, 27 per cent more efficient than chromium or porcelain enamel. It can be bent or dropped without chipping or breaking. It is heat-proof which is important due to the confined heat in these units. ALZAK reflectors can be washed daily without ill-effect on the absolutely permanent surface.

All units listed "With Glass" have frames that are removable for easy lamp replacements and reflector washings.

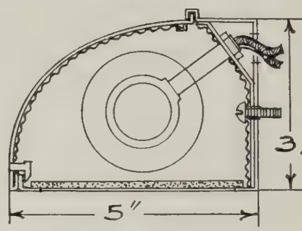
Any of the reflectors may be had in continuous strips when required. Prices below.



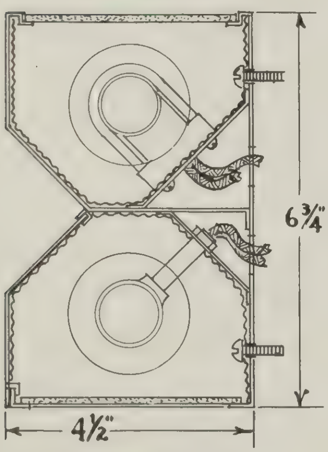
• [illegible] — Brass



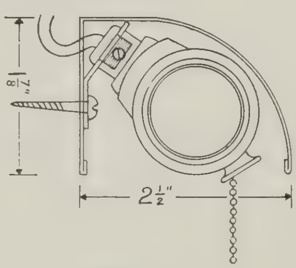
• M1156 — Bronze
• M1157 — Steel



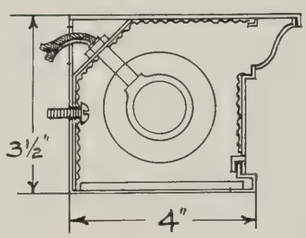
• M1158 — Bronze
• M1159 — Steel



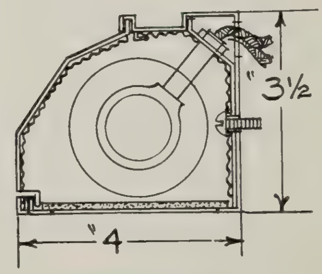
• M1161 — Bronze
• M1162 — Steel



• M1160 — Brass



• M1163 — Bronze
• M1164 — Steel



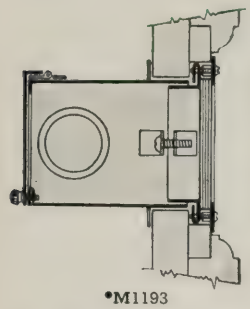
• M1165 — Bronze
• M1166 — Steel

Catalog Number	Made of	No. of Lights	LAMP	With Glass	Std. Dimensions Height	Std. Dimensions Extends	Std. Dimensions Length	Price Std. Size	Continuous Strips Lgths. 2′ to 8′ with Ends Priced per Foot at
M1155	Brass	1	Type A—15-75W	Yes	4½″	4½″	10″	**$12.50**	......
M1156	Bronze	2	Type A—15-100W	Yes	4¾″	6″	18″	**22.50**	**$13.50**
M1157	Steel	2	Type A—15-100W	Yes	4¾″	6″	18″	**17.00**	**10.25**
M1158	Bronze	2	Type A—15-75W	Yes	3½″	5″	18″	**18.75**	**11.25**
M1159	Steel	2	Type A—15-75W	Yes	3½″	5″	18″	**14.25**	**8.45**
M1160	Brass	1	Type T-8—40W	No	1⅞″	2½″	15″	**15.00**	......
M1161	Bronze	2	Type A—15-75W	Yes	6¾″	4½″	18″	**30.00**	**22.50**
M1162	Steel	2	Type A—15-75W	Yes	6¾″	4½″	18″	**25.00**	**17.00**
M1163	Bronze	2	Type A—15-75W	Yes	3¾″	4″	18″	**25.00**	**15.00**
M1164	Steel	2	Type A—15-75W	Yes	3¾″	4″	18″	**18.75**	**11.25**
M1165	Bronze	2	Type A—15-75W	Yes	3½″	4″	18″	**18.75**	**11.25**
M1166	Steel	2	Type A—15-75W	Yes	3½″	4″	18″	**14.25**	**8.45**

Notes: Units are furnished completely wired. Twin porcelain sockets are supplied with turn-switch.

When mitred corners for Continuous Strips are required, add $5.00 list each, except for M1161 and M1162, add $7.50 list each.

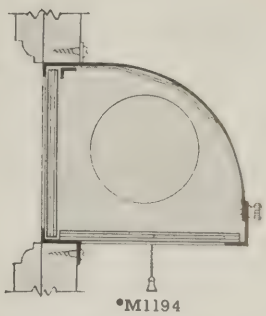
Bronze and brass reflectors are finished standard bank bronze. Other finishes can be furnished. Reflectors made of steel, finished any sprayed bronze required. Any additional information will be gladly sent upon request.



•M1193

Guth REFLECTORS and SIGNS

With ALZAK *and Porcelain Enamel Reflectors*

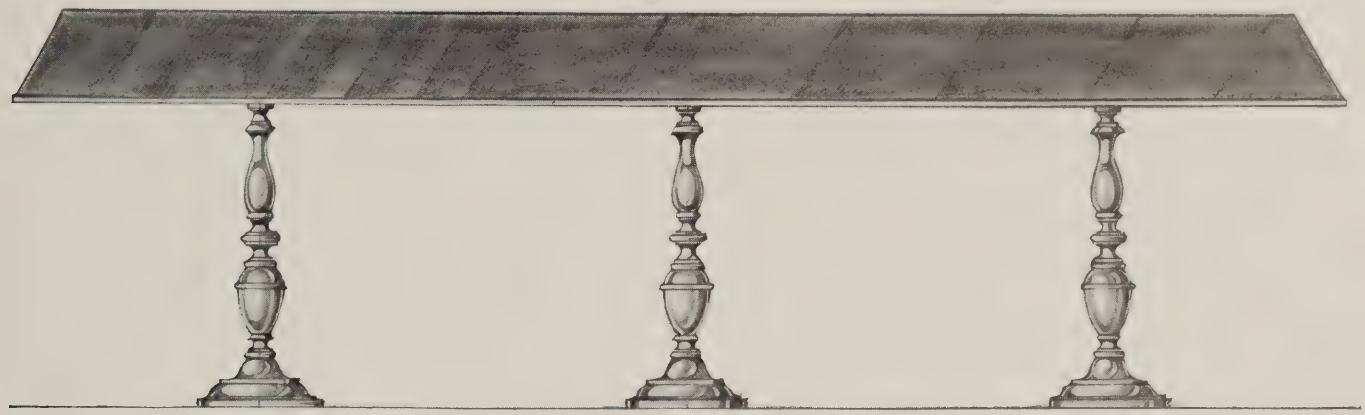


•M1194

Guth **M1194,** Combination Reflector and Sign, and **M1193,** Illuminated Sign are made in standard sizes, or may be "tailored" for the installation. Standard glass panels are glossy black background with deep etched white letters. Other glass with raised letters, and with background to match bank fixtures may be had.

M1194, Combination unit, is 4 x 18 inches face and 5 inches deep. Two standard lamps up to 100-watts can be used. Diffusing glass bottom panels are furnished.

M1193, Sign only, is 3 x 18 inches face and 4 inches deep. One T8 Tubular Lamp is used. There is a hinged rear door for easy lamp replacement. Full-sized drawings will be submitted with installation data.



• M1208

No. M1208—TABLE REFLECTOR FOR BANKS, LIBRARIES, ETC.

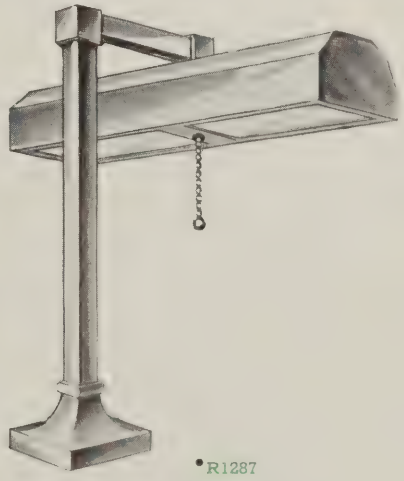
Cast and sheet bronze. Separate inside ALZAK reflector.

With 6 lights, 3 uprights, 72 inches long overall, 17 inches high overall.....Price, **$150.00**

Standard finish, bank bronze, may be had in other sizes and finishes.

For shorter or longer lengths, prices upon application.

•R1287



•R1287

•R1287

WALL EXTENDED REFLECTOR

Made of brass. Separate inside reflector. Extends 12 inches overall. Reflector 12 inches overall. Diffusing glass bottom panels. Twin pull sockets.

Price, **$25.00**

DESK LAMP

Made of brass. Separate inside ALZAK reflector. Height 24 inches. Length 15 inches. Twin pull sockets.

Price, **$35.00**

WALL REFLECTOR

Porcelain Enameled reflector. White inside. Antique bronze, outside. Pull socket.

Price, **$11.25**

LUMILINE-LAMP FIXTURES

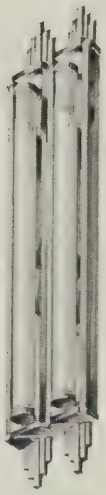
For Vertical and Horizontal Use — For 12″ and 18″ Lumiline Lamps
Polished **CHROMIUM** *Fixtures*

The attractively effective Polished Chromium Fixtures for use with Lumiline Lamps can be used vertically and horizontally. At present, the Lumiline Lamps are available for 30 and 60-watt in 18 inch length, and for 40-watt in 12 inch length. The use of these lamps is primarily decorative and is recommended for striking effects on back-bars, taverns, restaurants, etc. The lamps are also very fine for use as shaving lights in bathrooms. Fixtures M1170 to M1174 (incl.) are equipped with single-pole switches.

• M1170
For 2—12″ Lamps and 1—18″ Lamp

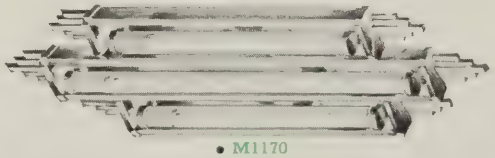
• M1171
For 1—12″ Lamp

• M1172
For 1—18″ Lamp



• M1173
For 2—18″ Lamps

• M1174
For 2—12″ Lamps



• M1170
In horizontal use — any of above units can be used vertically or horizontally

• M1170 TO M1174 (inclusive)

Cat. No.	Overall Width	Overall Length	For Lamps	Price
M1170	7½″	26″	2-12″ & 1-18″	**$40.00**
M1171	4½″	20″	1-12″	**12.50**
M1172	4½″	26″	1-18″	**15.00**
M1173	5″	26″	2-18″	**30.00**
M1174	5½″	20″	2-12″	**25.00**

Notes: Standard package, three assorted. Lamps not included in above prices. Fixtures finished polish chromium. Can be furnished in other finishes.

•M1175
Lumiline Strip Lighting

• M1175

Cat. No.	Overall Width	Overall Length	For Lamps	Price
M1175-A	10″	15½″	3-12″	**$15.00**
M1175-B	10″	21½″	3-18″	**17.50**
M1175-C	10″	27½″	6-12″	**27.50**
M1175-D	10″	33½″	6-18″	**32.50**
M1175-E	10″	39½″	9-12″	**40.00**
M1175-F	10″	45½″	9-18″	**47.50**
M1175-G	10″	51½″	12-12″	**52.50**
M1175-H	10″	57½″	12-18″	**62.50**

Notes: Strip lighting also made for one or two rows of Lumiline lamps. Prices upon application. Stems and canopies can be furnished for any type. Polished chromium is standard finish. Fixtures made of brass. Lamps not included in above prices.

See page 71 for Recessed Lumiline Troughs.

HOSPITAL *Lighting* SECTION

For over a third of a century we have specialized in the science of illumination. Special attention has been given to hospital lighting and many notable achievements in this field have been developed by our engineers. Guth equipment is in use in hospitals in nearly every country in the world.

Guth

SAINT LOUIS, MISSOURI

GENERAL ILLUMINATION FOR HOSPITALS

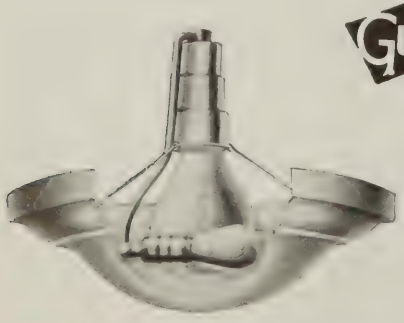
For Wards, Rooms, Corridors, and Offices

● **Guth Indirect Luminaire**
Formed of aluminum. Finished ALZAK for maximum efficiency and permanency. See Pages 27-29 for numerous other types.

Indirect Illumination: The general illumination in hospitals is best accomplished by means of indirect luminaires. The dignified and refined lighting results to be obtained by this method of lighting, not only render a bright, cheery atmosphere, but further, assure better seeing conditions, so necessary for hospital work. Immaculate appearance, featuring paramount cleanliness and sanitation of the modern hospital, is definitely enhanced by the indirect method of illumination.

Advantages: The primary advantage of indirect illumination is total shielding of the light-source from eye-view. Harmful glare, as delivered by ordinary light sources, causes constant discomfort, actually affecting the nervous system and progressiveness of patients and personnel alike.

Secondary advantages of indirect illumination for hospitals may be classed as elimination of harshly contrasting ceilings, minimizing of shadows, and, as mentioned in the first paragraph, a more cheerful and bright atmosphere for the modern hospital.



● **Nite Lites:** Can be furnished on most sizes of Guth Indirects. $3.00 added to list of specific type desired.

QUALITY INDIRECT LUMINAIRES

Indirect lighting requires a reflecting surface that is extremely efficient and also one that does not deteriorate. Guth Indirects (pages 27-29) are of two finishes. Indirect units made of the modern metal, "Aluminum," are finished by the ALZAK process. The efficiency of ALZAK is unsurpassed, and the permanency is guaranteed. Other Guth Indirects (pages 27-29) are formed of steel and finished with porcelain enamel (glass "fused" into steel). ALZAK aluminum reflectors are recommended.

● **Guth Indirect Luminaire.**
Formed of steel. Finished permanently by vitreous porcelain enamel. See Pages 27-29

INDIRECT LIGHTING *and* GUTHFAN

Shadowless, Eye-Ease Lighting . . . Incorporated with GUTHFAN

Surgery Peralta Hospital, Oakland, Calif.

Guth Indirect Room Lighting, Barnes Hospital, St. Louis

•Indirect lighting is herewith demonstrated as used in operating rooms. High-intensity lighting is obtained with entire elimination of the light-source from one's view. Indirect lighting casts no shadows.

•Soft, even illumination possible with indirect lighting is ideal for wards and rooms. There is no harsh glare, no shadows, with the result that there is less strain and eye-fatigue for hospital patients.

GUTHFAN **Conditionaire**

Healthful, Comfortable, Cooling - No Blasts - No Drafts - With or Without Lighting

The modern equipped hospital affords every possible aid to the comfort of patients and personnel. The advantages of healthful cooling, incorporated with the lighting system, are decidedly in keeping with up-to-date hospital methods of modern conveniences.

Only Guthfan with its patented principle draws up the cool, dry air from the floor and distributes it outward and downward over a wide area. The hot, humid air above the fan is left unmoved.

One Guthfan circulates more air than three 16-inch oscillating fans with half the current.

Guthfan is the only complete cycle air circulator. There are no blasts of air or drafts created. A constant, gentle, cooling breeze of refreshing, revitalized air with no danger of "Summer Colds."

•Modern cooling Comfort for Hospitals

GUTHFAN *and* LIGHTING

To the right is illustrated the healthful Guthfan with modern indirect lighting reflector, as one unit. Many designs and types of lighting equipment are available with Guthfan.

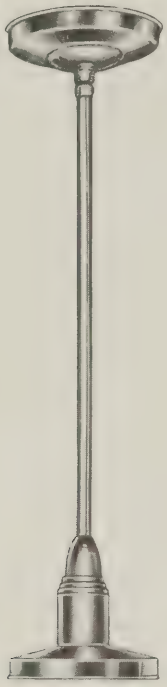
See Pages 24 and 25.

Please write us for further information.

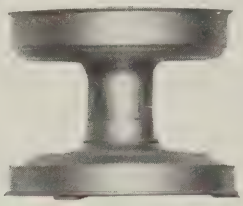
•One of numerous designed lighting units with GUTHFAN

GENERAL ILLUMINATION (Continued)

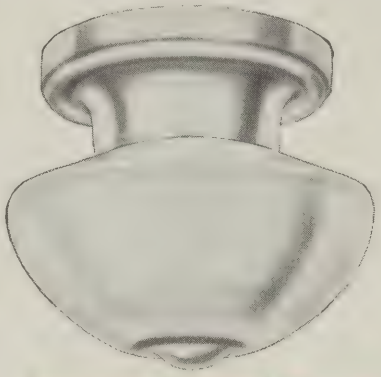
Pendant and Ceiling Units for Use with Illuminating Glassware
Semi-Indirect Glass Unit on Page No. 47



•Brass Pendant for Glassware
Pendant listed on page 45; Glassware listed on page 58; Pendant is finished chromium or statuary bronze.



•Brass Ceiling Unit for Glassware
Ceiling unit listed on page 45; Glassware listed on page 58; Ceiling unit is finished chromium or statuary bronze.

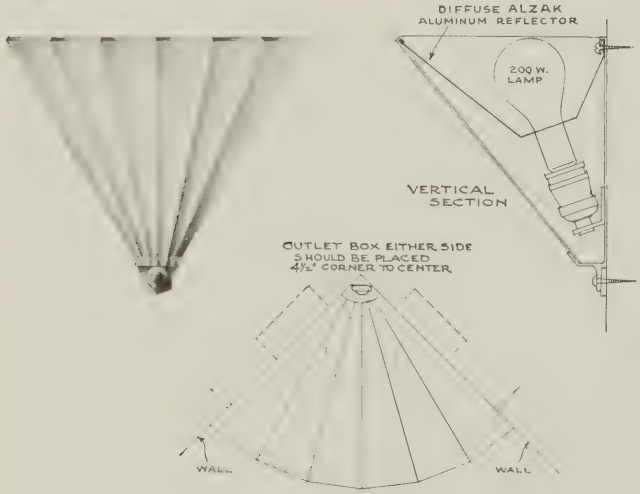


•Porcelain Enamel Flange with Glassware
Flange listed on page 46; Glassware listed on page 58; Flange finished white, ivory, and other colors.

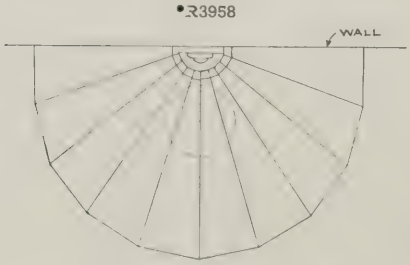
•Porcelain Enamel Pendant with Glassware
Pendant listed on page 47; Glassware listed on page 58; Pendant is finished white, ivory, or other colors.

CORNER *and* WALL INDIRECT BRACKETS

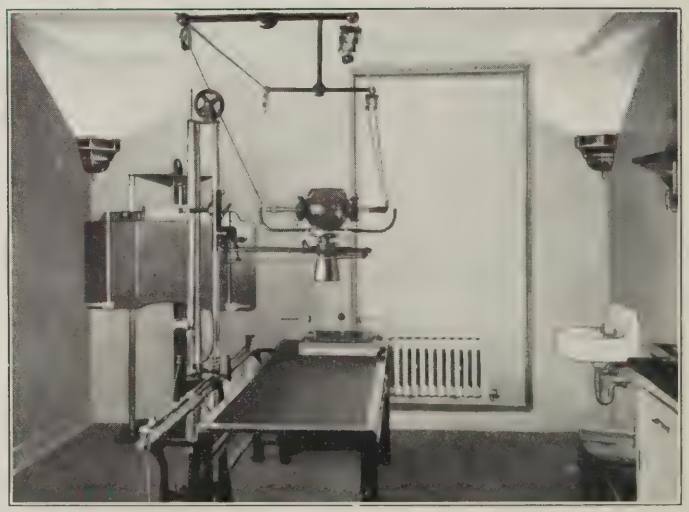
Reflector **ALZAK** *Aluminum*



PLAN VIEW–CORNER TYPE
•R3958



PLAN VIEW - FLAT WALL TYPE
•R3959



By mounting the fixture in corner of the X-Ray room the electrical outlets are kept at the greatest possible distance from the aerials of the high-frequency wires of the X-Ray equipment. The outlets should be placed 4½ inches from corner of room to center of outlet box. Two to four of these units are required in small rooms. Where room is extra long we suggest four corner units and two side wall units. This unit directs the light to the ceiling, thus preventing the direct rays of light from coming in contact with the operator's eyes.

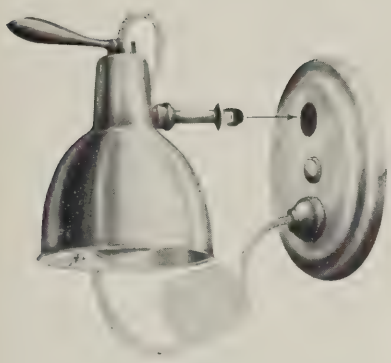
•R3958 and •R3959

Made of steel. Outside finished ivory. Separate inside ALZAK aluminum reflector.

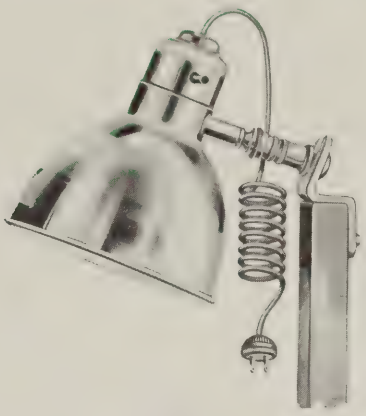
Fits on Standard Outlet Box

Number	Extends	Height	Price	Code
R3958	11″	14″	**$25.00**	Citric
R3959	11″	14″	**30.00**	Citron

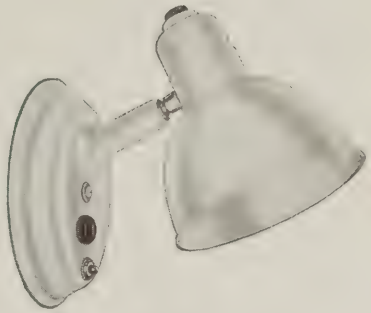
ADJUSTABLE *and* PORTABLE BED *and* EXAMINATION BRACKETS



• R3961



• R5573
• R5574



• M1167

• PORTABLE WALL BRACKET

With 8′0″ cord and plug. Aluminum reflector finished satin ALZAK.

• BED AND EXAMINATION LIGHT

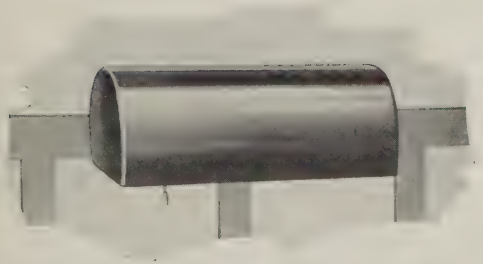
To be attached to bed with 8′0″ cord and plug. Slips out of holder; is portable. Also, 90° swivel-joint. Aluminum reflector is finished satin ALZAK. R5573 for wooden bed; R5574 for steel bed.

• 90° ANGLE WALL BRACKET

U. S. Govt. 56. Made of steel, finished outside baked white enamel. Reflecting surface is aluminized. Convenience receptacle in backplate.

Cat. No.	Refl. Diam.	Extends	Height	Price
R3961	6″	10″	6¼″	**$11.50**
R5573	4¾″	5¾″	5½″	**10.00**
R5574	4¾″	5¾″	5½″	**10.00**
M1167	4¾″	7¼″	7¾″	**10.50**

BED LIGHTS



• Bed Light

Guth Bed Lights are made of two types construction. No. R6071 is made of steel, with sheet steel ends. No. R6072 is made of brass, with cast bronze ends. Also, R6072 has an inner liner of ALZAK aluminum to reflect maximum light.

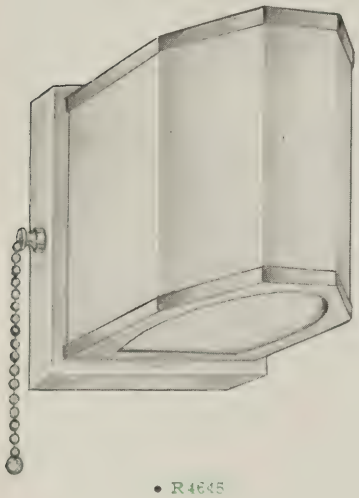
The Bed Lights are fastened to the bed by screws. Pull-chain sockets are furnished, and 8-foot rubber cord and plug is supplied.

Cat. No.	Made of	For Lamp	Width	Extends	Price	Std. Pkg.
R6071	Steel	25-50	9″	5½″	**$7.00**	6
R6072	Brass and Bronze	25-50	9″	5½″	**7.50**	6

Notes: When made of steel it is lacquered as specified any color outside and aluminized inside. When made of brass it is highly polished, and plated Statuary Bronze. It may be had in other finishes.

BI-LIGHTING BRACKET

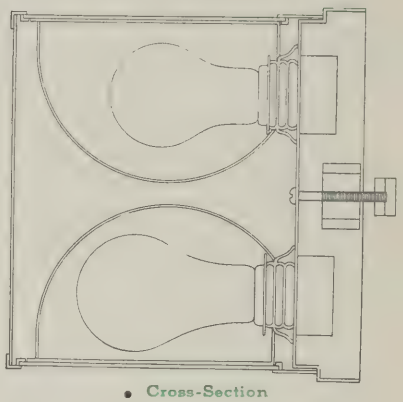
With "1-2-1-off" Pull Switch - Direct and Indirect Lighting



• R4645

Guth Bi-Lighting Bracket is used for direct and indirect lighting over the patient's bed. Two separate lamps are used and either may be lighted singly, or both at one time.

The unit is strongly made. The steel housing is removable for easy lamp replacement. Inside this housing are 2 permanently finished porcelain enamel reflectors for efficient lighting. Sand-blasted glass panels are furnished in top and bottom for good light diffusion and to avoid glare.



• Cross-Section

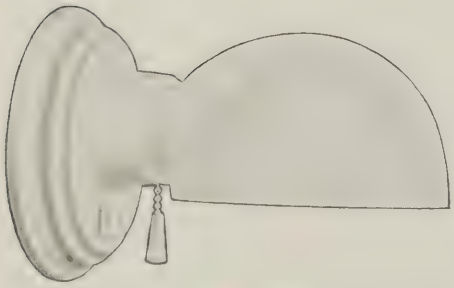
Catalog Number	Lights	Maximum Wattage	Overall Width	Overall Length	Extends	Price	Std. Pkg.
R4645	2	2–75	6¼″	8½″	7¾″	**$32.00**	6

Notes—Three-way switch is furnished. Lamps not included in above prices. Finished white or ivory, baked enamel as specified.

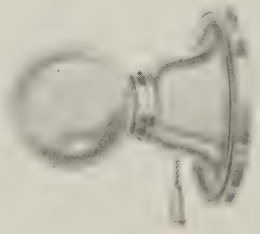
PORCELAIN AGLITE ENAMEL

PATENT NO. 1251406—1147717
TRADE-MARK REGISTERED

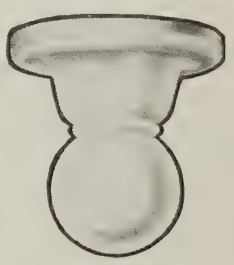
Please See Page 53 for Prices.



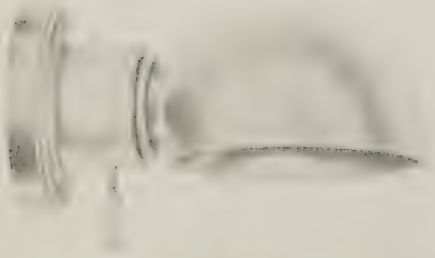
• A1072 • A1073
• A1074 • A1075



• A1067



• A1066



• A1076
• A1077

• A1064 • A1065

• A3346 • A3347
• A3348 • A3349

HOSPITAL AGLITES

U. S. Patents Numbers 1251406 and 1147717 — Trade Mark Registered

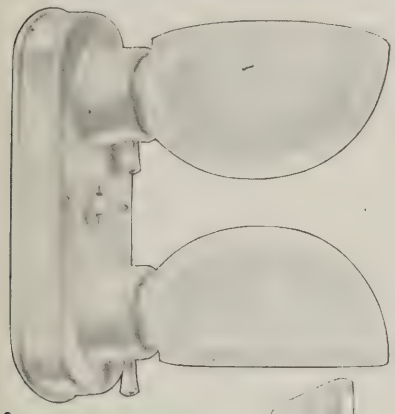
Built to Last — Numerous Types

Guth Hospital Aglites (page 53 for additional types) are made of cast iron or steel and finished permanently by porcelain enamel (see page 92) or baked enamel. The porcelain enamel finish is glass "fused" into the metal at temperatures between 1200° and 1800° Fahrenheit. The resultant "window-pane" finish is "true"—that is, the white, for example, is even and pure; there are no grainings or changes in texture to mar this beautiful finish. Baked enamel, also, is a durable finish, being baked-on at 200° Fahrenheit.

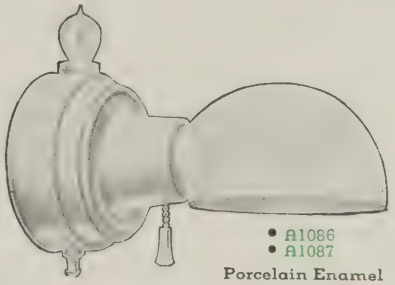
Glass or Porcelain Shades: The AGLITES listed below are furnished either with dense opal glass or opaque porcelain enameled steel shades. The units are furnished with the glass shades unless specified differently. Add $1.00 list additional for porcelain enamel shades.

Nite Lites: AGLITES Nos. A1084-A1089, inclusive, are for use with small 2-candle-power, 110 volt lamp. Small switch on fixture controls this lamp. Lamps not furnished on any of units listed on this page.

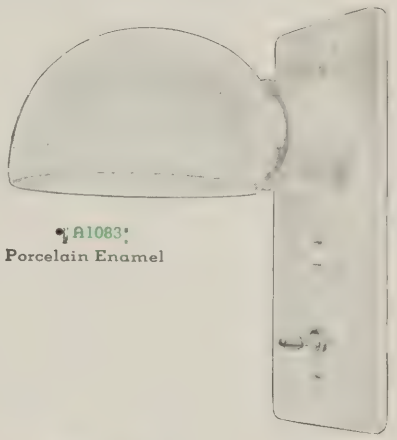
Types A1083, A1084 and A1085 are mounted on 2-gang tandem switch-box. Switch-box not included.



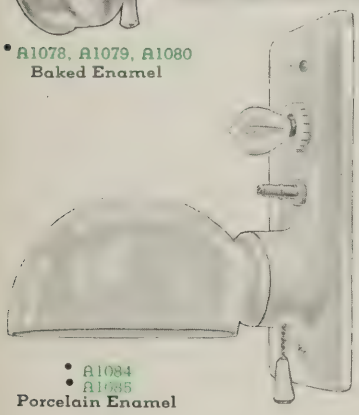
• A1078, A1079, A1080
Baked Enamel



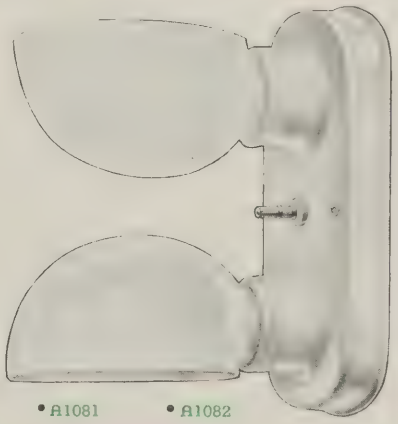
• A1086
• A1087
Porcelain Enamel



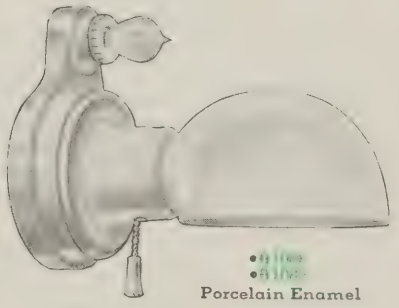
• A1083
Porcelain Enamel



• A1084
• A1085
Porcelain Enamel



• A1081 • A1082
Baked Enamel



•
•
Porcelain Enamel

A1078 — CONVENIENCE OUTLET — OPAL GLASS

Number	Lights	Pull	Keyless	Ext.	Height	Glass	Size	Price
A1078	2	..	2	8½″	10″	G3144	5¾ x 2¼	**$14.05**
A1079	2	1	1	8½″	10″	G3144	5¾ x 2¼	**14.90**
A1080	2	2	..	8½″	10″	G3144	5¾ x 2¼	**15.75**

A1081 — TOGGLE SWITCH — OPAL GLASS

A1081	2	..	2	8½″	10″	2-G3144	5¾ x 2¼	**$16.05**
A1082	2	1	1	8½″	10″	2-G3144	5¾ x 2¼	**16.90**

Toggle Switch Controls Upper Light

A1083 — TOGGLE SWITCH CONVENIENCE OUTLET — OPAL GLASS

A1083	1	..	1	7½″	9″	G3144	5¾ x 2¼	**$9.00**

A1084 — CANDELABRA — TOGGLE SWITCH — OPAL GLASS

A1084	2	..	2	7½″	9″	G3144	5¾ x 2¼	**$9.30**
A1085	2	1	1	7½″	9″	G3144	5¾ x 2¼	**9.70**

Toggle Switch Controls Nite-Lite.

A1086 — CANDELABRA — TOGGLE SWITCH — OPAL GLASS

A1086	2	..	2	10″	8″	G3144	5¾ x 2¼	**$6.60**
A1087	2	1	1	10″	8″	G3144	5¾ x 2¼	**7.00**

Toggle Switch Controls Nite-Lite.

A1088 — CANDELABRA — OPAL GLASS

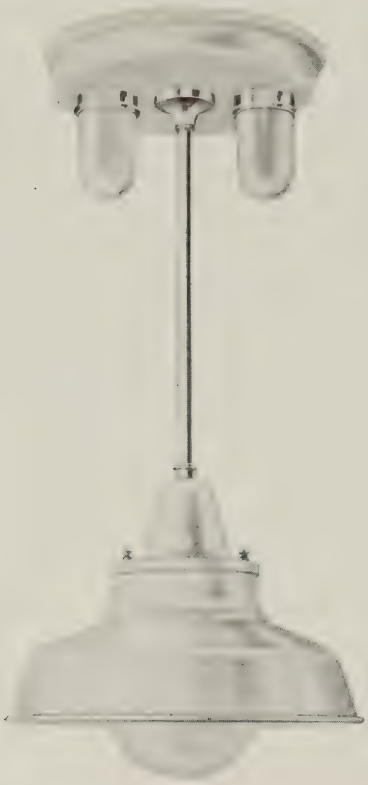
A1088	2	..	2	9″	7″	G3144	5¾ x 2¼	**$5.40**
A1089	2	1	1	9″	7″	G3144	5¾ x 2¼	**5.80**

Nite-Lite Controlled by Wall Switch

Notes: Standard package is 4 assorted. Prices do not include lamps.
When G3092 Porcelain Enamel Opaque Shade is desired, please specify, and add $1.00 List each shade.

OPERATING ROOM LIGHTING

Rigidly Made for Permanent Use and Efficient Lighting Quality Finishes



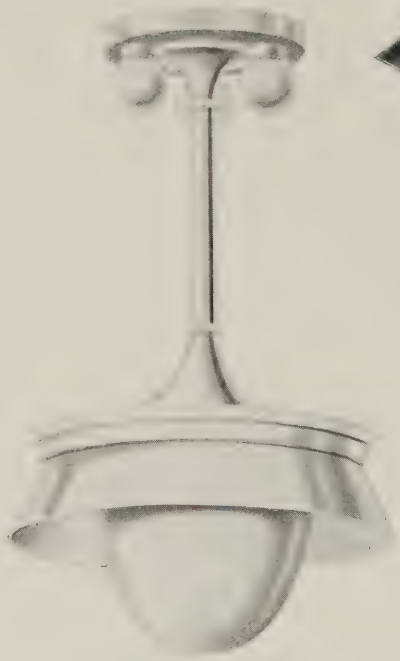
• R4522

MINOR OPERATING ROOM UNIT

3 Lights: 1—300 or 500-Watt; 2—60-Watt.

Reflector and canopy finished white porcelain enamel. Stem, brass — finished chromium.

Roughed Inside Cylinders for canopy lights. Size, $2\frac{7}{8}$ x $4\frac{15}{16}$ inches. G5959 Enclosing Globe for reflector light. Lower half, roughed outside — Top half, clear. Glass globes sealed to keep out vapors.



• W1113 • W1114 • W1115

CLINIC-LITE

U.S. Patent No. 1663653 — Trade Mark Registered

4 Lights: 1 Large Lamp — 3 Small Lamps

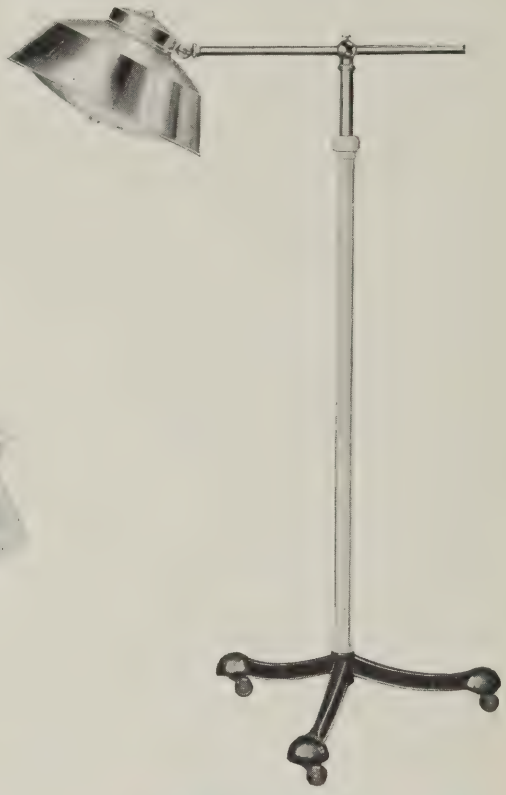
Reflector and canopy finished white porcelain enamel. Stem, brass, finished white enamel. Opal glass bowl.

• W1116 • W1117 • W1118

CLOSE CEILING TYPE CLINIC-LITE

1 Light — 3 Sizes

Reflector finished white porcelain enamel. Opal glass bowl.



• R5575

MINOR SURGERY LIGHT

3 Lights: 100-Watt Each

Aluminum reflector finished Satin and Diffuse ALZAK. Iron base finished black. Rubber casters. Reflector adjustable 90°. Horizontal maximum length of arm 20 inches.

Catalog Number	No. of Lights	Lamp Wattage	Glass	Overall Length Fixture	Overall Spread Fixture	Price
W1113	4	1—100 or 150 and 3—60-watt	G627	30″	14″	**$25.00**
W1114	4	1—200 and 3—60-watt	G628	36″	20″	**30.00**
W1115	4	1—300 or 500 and 3—75-watt	G629	36″	26″	**45.00**
W1116	1	1—100 or 150	G627	10½″	14″	**15.00**
W1117	1	1—200	G628	13″	20″	**19.00**
W1118	1	1—300 or 500	G629	18″	26″	**31.50**
R4522	3	1—300 or 500 and 2—60-watt	G629	36″	16″	**45.00**
R5575	3	3—100	None	86″	20″	**75.00**

Lamps not included in above prices.

SURGERY-LITE

Registered U. S. Patent Office

Better Quality Illumination for the Surgeon — Greater Safety Margin

Reflectors **ALZAK** *Aluminum*

The quality of illumination of Guth Surgery-Lite is unequalled in diffusion, uniformity, volume, and is practically heatless. The light beam is not concentrated on a small spot which would produce strain on the surgeon's vision, in contrast to the relative darkness of surrounding areas. Instead, there is concentration on an area approximately 24 inches in diameter, with a gradual fading off, from full intensity to normal illumination.

Safety demands that operating lighting must not depend on a single light, because of the danger involved if the lamp should burn out. With Guth Surgery-Lite, a burned-out bulb would not materially affect the illumination. As an added safety factor, the canopy lights may be wired to a separate circuit, or may be connected to a storage battery with trickle charger.

• R3973 — 13-LIGHTS

Chromium Plated. With Adjustable Gear.
Length, 60 inches. Spread, 36 x 66 inches, Overall.

Number	Reflector Lights	Canopy Lights	Price
R3972	9	None	**$600.00**
R3973	9	4	**645.00**
Same as above except without adjustable gear.			
R5584	9	None	**$440.00**
R5585	9	4	**425.00**

SPECIFICATIONS:

Inner reflectors are of specular ALZAK finish, which is superior to silver, chrome or mirrors in maintaining reflecting value.

Guth Surgery-Lite is made of cast and spun brass, finished in chromium. There is no deterioration.

Unless otherwise specified on order, all lights are 110 to 115 volt. Distance from the floor to ceiling of operating room should be specified when ordering.

Nine 94-watt, P25 clear bulbs are furnished with unit. Canopy lights, not furnished, are for 60 watts each.

OUTSTANDING FEATURES OF GUTH SURGERY-LITE

1. Light produced by nine reflectors from a spread of 36″ x 66″, eliminates shadows.
2. Focus is universal and not in the form of a cone. A solid beam is produced with concentration on space approximately 24″ in diameter.
3. Rays penetrate deep cavities.
4. White light — no glare — no eye strain — no heat. Calorex lenses are furnished.
5. Multiple lights obviate danger from burned out bulbs.
6. Open-type structure does not enshadow skylights during daylight hours.
7. All parts sealed with gaskets to prevent entrance of vapors.
8. Permanently aligned. Cannot get out of adjustment.
9. Focused light-beam readily moved.
10. Sealed sockets, lamps and wiring prevent arcs and sparks. Adjustment handles insulated to avoid static sparks.
11. Permanent chromium-finish prevents discoloration, corrosion and deterioration.
12. Entire unit is dust-proof.
13. ALZAK-finished aluminum inner reflectors are not affected by heat or vapors.
14. Long life, standard production lamps insure good service.
15. Sturdiest and simplest operating light made.

• R3968 — 5-LIGHTS

Chromium Plated.
Length, 60 inches. Spread, 18 x 42 inches.

Number	Reflector Lights	Canopy Lights	Price
R3968	5	None	**$320.00**
R3969	5	4	**365.00**

RECESSED ROOM *and* CORRIDOR, SIGNAL, *and* SHOWER LIGHTS

• RECESSED ROOM AND CORRIDOR LIGHTS

Number	Depth	Width	Height	Glass	Made of	Price
R1092	3¼″	4⅝″	7¾″	G3857	Iron	**$10.00**
R1096	4¼″	9⅝″	6⅛″	G3856	Iron	**12.00**
M1198	6⅛″	9¼″	5¾″	None	Brass	**16.00**
R3698	3$\frac{1}{16}$″	8¼″	4½″	None	Iron	**7.00**
R3962	5⅛″	12½″	2¼″ Extension	G4451	Iron	**22.50**
R3963	5⅛″	12½″	2¼″ Extension	G4451	Bronze	**30.00**

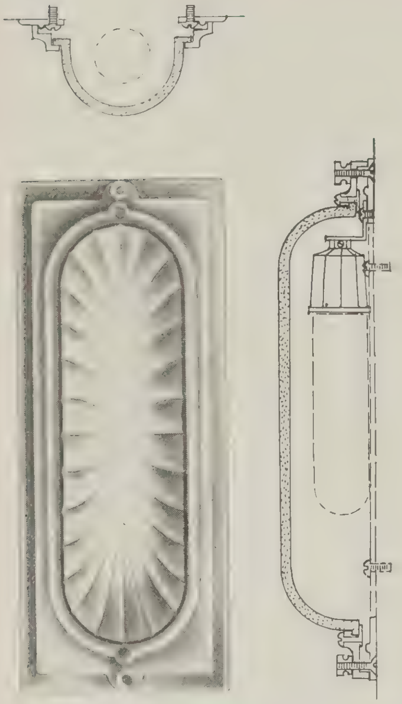
• SIGNAL AND EXIT LIGHTS

Number	Glass	Extends	Diameter Overall	Material	Price
M1195	Plain Opal	2½″	5½″	Brass	**$14.00**
M1196	Exit	2½″	5½″	Brass	**15.00**

Note: Exit glass for M1196 is ruby with white letters.

• SHOWER LIGHT

Number	Recess Depth	Diameter of Hole	Ring Diameter	Price
M1197	7″	5¾″	7⅛″	**$12.50**

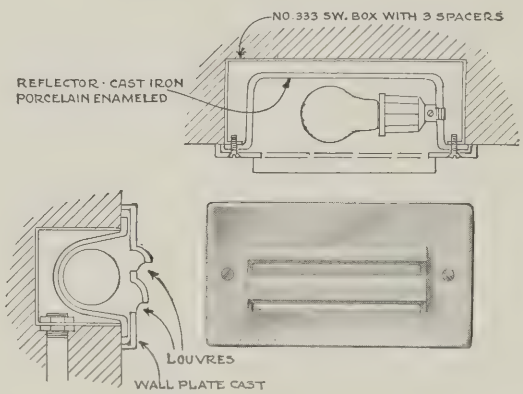


• R3962

White baked enamel face with white moulded glass bowl. Cast iron frame.

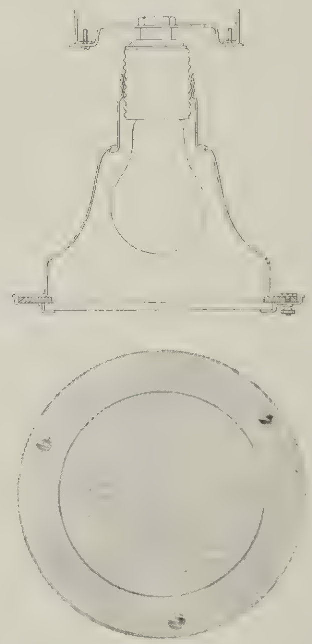
• R3963

Cast bronze frame finished statuary bronze with white glass bowl, as above. Both of above fit standard 5-gang switch boxes (boxes not included). For 6″ tubular lamps.



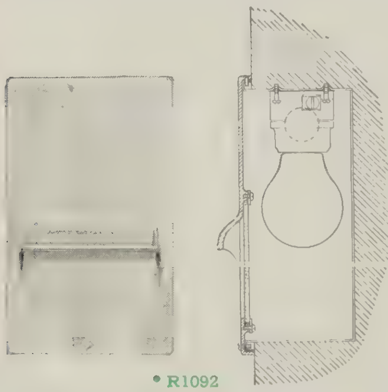
• R3698

White baked enameled, cast face, with louvres. With separate white porcelain enameled inside reflector. Fits standard 4-gang switch-box which is not included in price. For 15 to 25 watts.



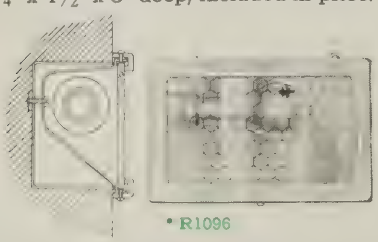
• M1197 — SHOWER LIGHT

Permanent ALZAK aluminum reflector. Frame, polished chromium, with diffusing glass. Rubber washer included. For 25-40 watts.



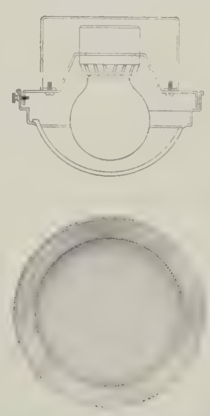
• R1092

White baked enameled face with diffusing glass panel. For 25 to 40 watts. Box 7¼″ x 4½″ x 3″ deep, included in price.



• R1096

White baked enameled frame with wire glass panel. For 25-40 watt lamp. Recess box 4″ x 9″ x 5⅜″ deep, included. Separate inside, white porcelain enameled reflector.

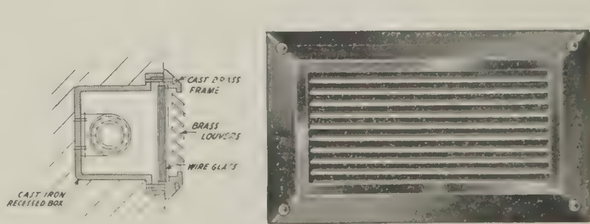


• M1195 — SIGNAL LIGHT

Brass frame, finished white baked enamel with white glass dish. Standard 4″ outlet box necessary. For 10 watt lamp.

• M1196 — EXIT

Same as above except ruby glass dish with word "EXIT," in white.



• M1198

Cast brass frame with brass louvres. Finished baked white enamel. Cast iron recessed box 5¼″ x 8½″ by 5⅛″ deep, including U. S. V. 26. For 60 to 75 watts.

PSYCHOPATHIC-WARD *and* JAIL LIGHTS *Also* UNDERWATER TYPE

● PSYCHOPATHIC-WARD AND JAIL LIGHTING UNITS

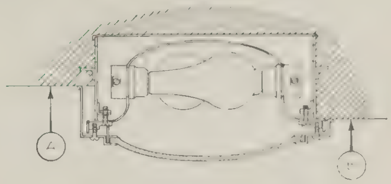
Number	Sockets	Diameter	Glass	Reflector	Price
R1093	None	8″	G3853	None	**$5.00**
R1094	None	10″	G3854	None	**6.00**
R1095	None	12″	G3855	None	**8.50**

Number	Lights	Diameter	Depth	Glass	Size	Price
R1097A	1	12¾″	6″	G3449	11″	**$22.50**
R1098A	2	12¾″	6″	G3449	11″	**25.00**
R1099B	1	12¾″	6″	G3449	11″	**21.25**
R1100B	2	12¾″	6″	G3449	11″	**23.75**

Number	Overall Depth	Overall Width	Overall Length	Glass	Price
C3826	4⅝″	10¾″	10¾″	Wire-Glass	**$25.00**
C3859	4⅛″	8⅝″	Diameter	Wire-Glass	**17.50**
C3891	4⅛″	6″	9⅝″	Shatter-proof	**15.00**

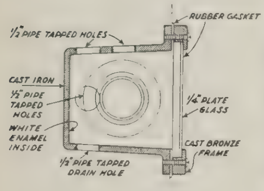
● UNDERWATER LIGHTING UNIT

Number	Overall Depth	Overall Width	Overall Length	Glass	Price
C3414	4⅛″	4⅞″	9½″	¼″ Plate	**$22.50**



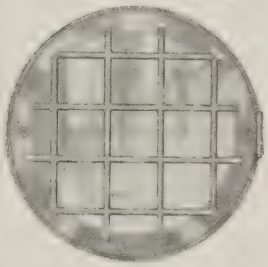
• R1091 to R1100

Brass frame, finished Statuary Bronze. Separate inside White Porcelain Enameled Reflector. Type A for Shallow Slab. Type B for Thick Slab. 12″ x 5″ box included.



• C3414

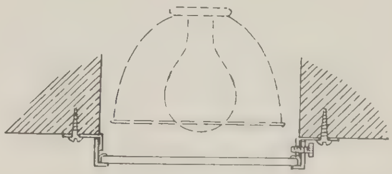
Cast Bronze frame, solidly sealed by rubber gasket; cast iron recessed box (with drain holes). For 60 to 75-watt lamps. One-quarter-inch plate glass in frame. Dimensions of box, 9½″ x 5″ and 3⅝″ deep.



• C3259

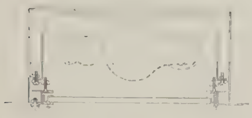
Cast iron, inside-hinged frame with integral guard. Finished Baked White Enamel. Separate inside White Porcelain Enameled Reflector. Round 16-gauge recessed box, 8″ full, in diameter, and 4″ deep. For 60 to 75-watt lamp.

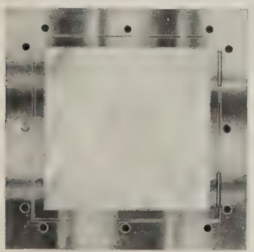
Frame Removed by Key.



• R1093 — R1094 — R1095

Hinged brass frame with diffusing glass panel. Frame finished Statuary Bronze. Reflector, socket and box not included.





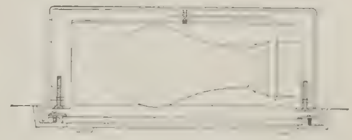
• C3826

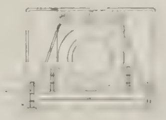
Heavy-gauge brass, double-hinged frame, finished Statuary Bronze. Wire-glass, frosted glass panel. Separate inside, White Porcelain Enameled Reflector. 16-gauge steel recess box 9½″ square and 4½″ deep included. Two sockets, one for 100-W. lamp, and another for 10-W. nite lamp.

● C3891

Heavy-gauge steel frame, finished Ivory Baked Enamel. Shatter-proof (3/16″ thick) frosted glass, secured on inside by machine screws. Separate inside. White Porcelain Enameled Reflector. 12-gauge steel box, 8⅛″ x 5⅛″ x ⅜″ deep included. For 50 to 75-watt lamps.

Frame Removed by Key.





• C3891

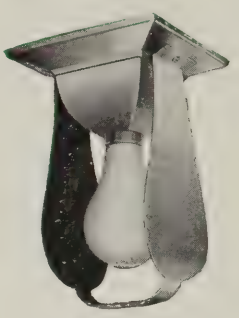
Guth BIN, RAMP, *and* AISLE LIGHTS

• M1199 — BIN LIGHT

• M1199 — BIN LIGHT

Efficient porcelain enameled reflector, with port-holes in ends to illuminate bins, shelves, etc. Brass canopy. Exterior finished with satin gray. To minimize glare, the inside reflector has black edges. Wattage 40 to 75. Canopy 6 inches diameter. Fixture extends 6½ inches from ceiling.

List, **$6.00**

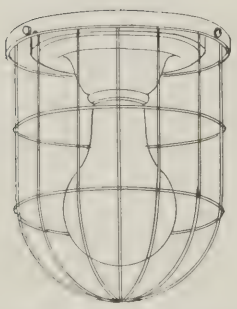


• R5761
JUNIOR BIN LIGHT

• R5761 — JUNIOR BIN LIGHT

For mounting between rows of shelving. Light is directed toward bins, yet is shielded from eye-view. Made of metal. Finish satin cadmium. Canopy, 5 inches square. Length, 8 inches. Wattage, up to 75.

List, **$3.75**

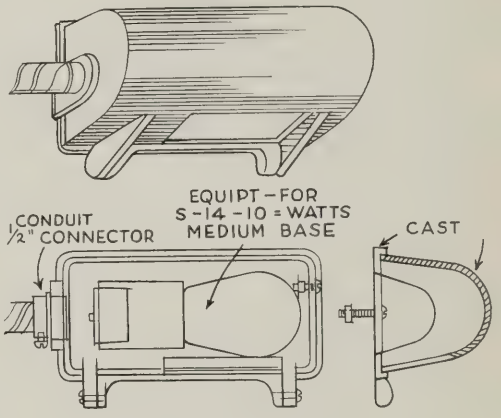


• K1207 — RAMP LIGHT

• K1207 — RAMP LIGHT

Porcelain enamel Aglite with wire guard. Medium socket. Used for lighting ramps, basements, vaults, and low-ceiling areas. Diameter, 6 inches.

List, **$4.00**



• C4017 — AISLE LIGHT

• C4017 — AISLE LIGHT

Cast of iron, finished statuary bronze spray, or any other sprayed finish. Is bolted to theater or auditorium seats and used while general lighting system is dark. Has diffusing glass panel. Length, 5½ inches. Height, 3¼ inches. Extends 2⅞ inches.

List, **$7.50**

• M1207 — ARM AND SHADE

• M1207 — ARM AND SHADE

Utility fixture for various uses. Shade is opaque, white porcelain enamel. Medium socket for 25-50 watts. Extends 10 inches.

List, **$5.00**

• R3379 & R3380
CLOSE CEILING INDIRECT

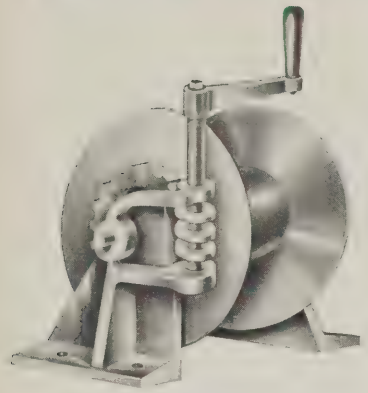
• R3379 AND R3380—INDIRECT

Indirect unit used under low ceilings. Reflector is porcelain enameled steel, white inside. Ivory outside.

No.	Skt.	Wattage	Dia.	Lgth.	List
R3379	Med.	100	10″	12″	**$8.00**
R3380	Med.	150	12″	12½″	**9.00**

Another Close Ceiling Indirect on Page 28.

Guth WINCHES *and* WIRE GUARDS



• X1014 — WINCH
• X1015 — WINCH

• WINCH PRICES

X1014—Cast iron cut gear. Cut steel worm. Raising capacity, 400 pounds.

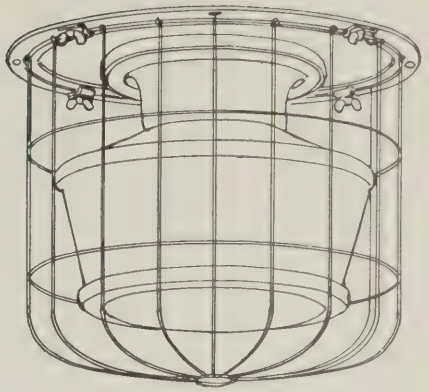
Price, **$35.00**

X1015—Cut steel gear. Bronze worm. Raising Capacity, 1,200 pounds.

Price, **$112.50**

• WIRE GUARDS

Guth Wire Guards for fixtures and reflectors are made of heavy tinned wire and finished brightly. Are furnished in many sizes. See Page 33.



• WIRE GUARDS
See G3676 to G3682 on Page 33

Guth PORCELAIN ENAMEL SWITCH PLATES

Standard Package is 25 Assorted. Add 50% to List Prices on Broken Lots.

Standard Push Button Plate

Type	Gangs
K1171	Single
K1172	Two
K1173	Three

Standard Toggle Plate

Type	Gangs
K1177	Single
K1178	Two
K1179	Three

Standard Twin Plate

Type	Gangs
K3393	Single
K4044	Two
K4045	Three

Standard Triplet Plate

Type	Gangs
K3394	Single
K4046	Two
K4047	Three

Flush Receptacle Plate

Type	Gangs
K1183	Single
K1184	Two
K1185	Three

Standard Duplex Plate

Type	Gangs
K1189	Single
K1190	Two
K1191	Three

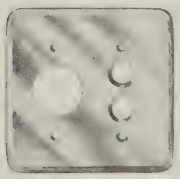
Standard Telephone Plate

Type	Gangs
K1168	Single
K1169	Two
K1170	Three

LIST PRICES ON ABOVE

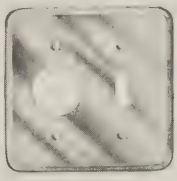
Single-Gang, $0.30 **Two-Gang, $0.72** **Three-Gang, $1.08**
Over Three-Gang and Special, See Below

Standard Combination Plug and Push Button Plate



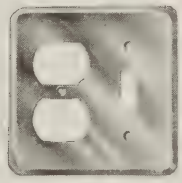
Type	List
K1195	**$0.72**

Combination Plug and Toggle Plate



Type	List
K1193	**$0.72**

Combination Duplex and Toggle Plate



Type	List
K1187	**$0.72**

Standard package consists of 25 gangs or over and may be assorted.

Standard Colors — White, Ivory or Gray. Also furnished in Pink, Blue, Brown and Green at 10 cents list extra per plate.

Each plate in individual envelope with nickel-plated screws.

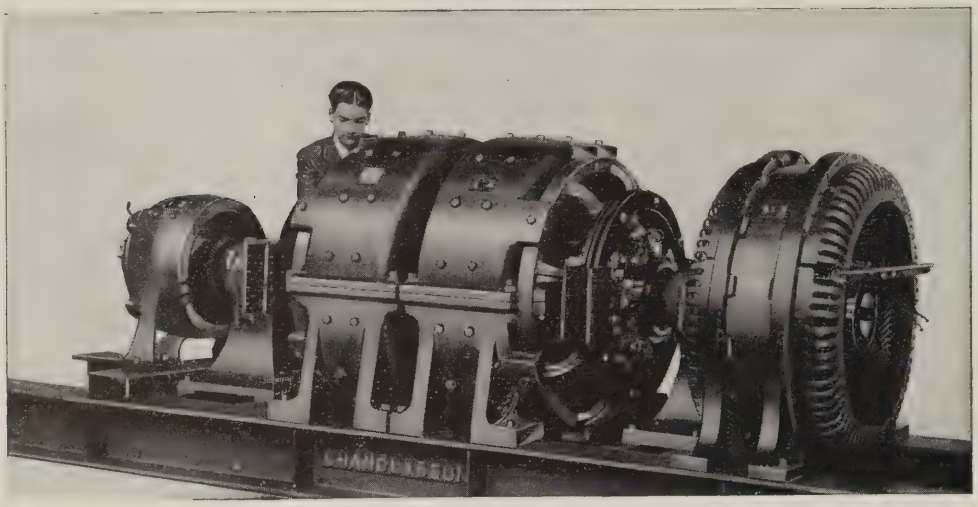
Combination telegraph call plates, indicating Western Union and Postal, door push plates, mop plates and other special shapes can be furnished in White, Pink, Blue, Brown, Gray, Ivory or Green.

Prices quoted upon request.

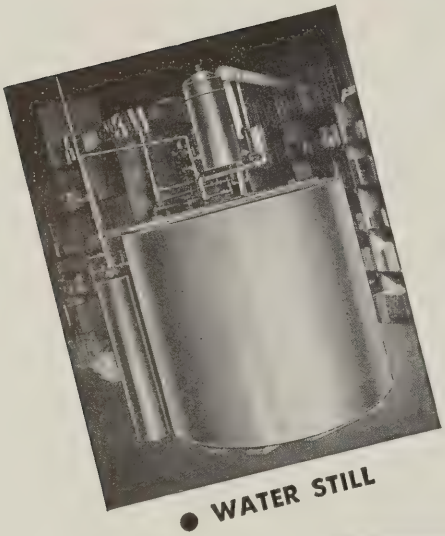
Plates in other combinations than those shown above, also plates over three (3) gangs are special, and are billed at following prices:

Quantities of One Kind	Single-Gang List	Two-Gang List	Three-Gang List	Over Three-Gang List
1 to 9	**$1.20**	**$2.40**	**$3.60**	**$1.20** Per Gang
10 to 49	**.95**	**1.90**	**3.00**	IN ANY
50 and over	**.60**	**1.20**	**2.40**	QUANTITY

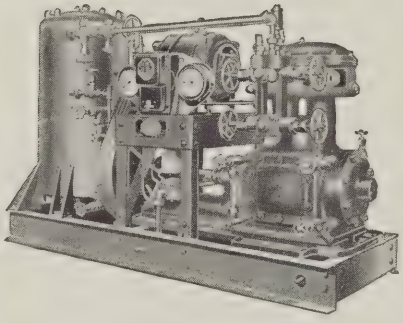
Guth ALZAK *Processing Equipment*



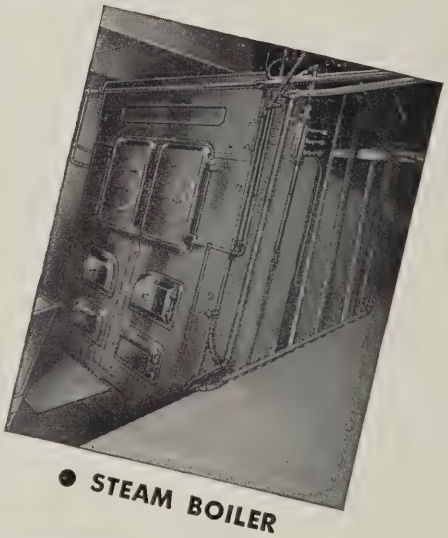
● ELECTROLYTIC TREATMENT



● WATER STILL



● REFRIGERATION



● STEAM BOILER

● GUTH SUPERVISION

Guth ALZAK

ALZAK is the trade-name of a patented finish developed by the Aluminum Company of America. It is applied to selected-grade of aluminum metal, for permanent and greater reflecting values. Desirability of ALZAK is further enhanced, due to its wide flexibility of light-beams produced, i. e., the ALZAK process will produce from 20° to 70° angle of light-reflection from identically shaped reflectors.

Electrolytic Treatment: **The giant twin-generator set with synchronous motor drive, generates the high-voltage and high-amperage requirements of the Guth ALZAK operations. Primarily, the ALZAK process is electrolytic. After preliminary etching and polishing operations, the special grade aluminum already formed into reflectors, is subjected to a "Brightening" process that removes impurities from the surface and increases reflectivity to ninety-three per cent. After this "Brightening," the aluminum reflectors are given a second electrolytic treatment known as "Alumilite" which builds-up on the surface of the reflector, a coating of pure aluminum oxide. This sacrifices slightly the high efficiency after the "Brightening" process. Pure aluminum oxide as built-up on Guth ALZAK reflectors, is an extremely hard and inert material. Aluminum oxide is, next to the diamond, the hardest known material. In an impure form it is known as "Corundum" and is used for abrasive wheels. The white sapphire is pure aluminum oxide in crystal form. When colored by various materials it forms other precious gems such as oriental sapphires, emeralds, and amethysts. Guth ALZAK aluminum reflectors, coated with this hard pure aluminum oxide, are easily cleaned and maintained. They are permanent, do not tarnish, are not affected by heat or cold, and best of all, they are the most efficient really practical reflecting surfaces for lighting purposes.**

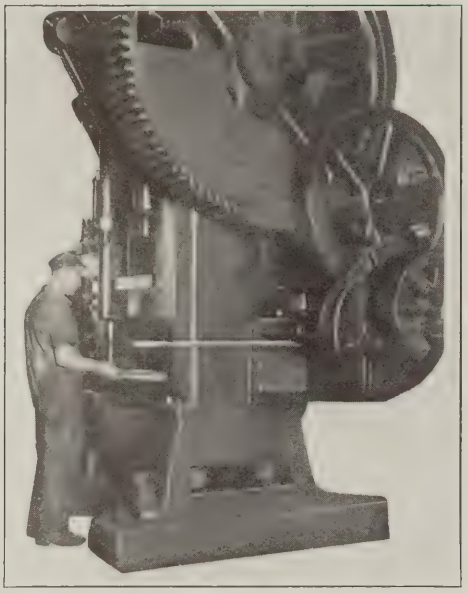
Steam and Refrigeration Requirements: **The 10-ton ice-machine pictured in the center of the preceding page, and the boiler equipment pictured on the right are imperative for Guth ALZAK processing. The narrow temperature limits of the "BRIGHTENER" and "ALUMILITE" baths must be closely maintained for uniform quality work.**

Water-Still: **Extreme precaution is necessary in all the numerous ALZAK operations. The steam water-still pictured on the preceding page delivers 100 gallons per day for these baths. The solutions cannot be recharged when certain limits are reached with impurities in the baths, thus requiring throwing away the entire old solutions. Guth ALZAK is an exacting process.**

Guth Supervision: **Constant competent supervision is necessary for the even uniformity of quality work by Guth. The personnel of the Guth ALZAK department has been handpicked for exactness and care.**

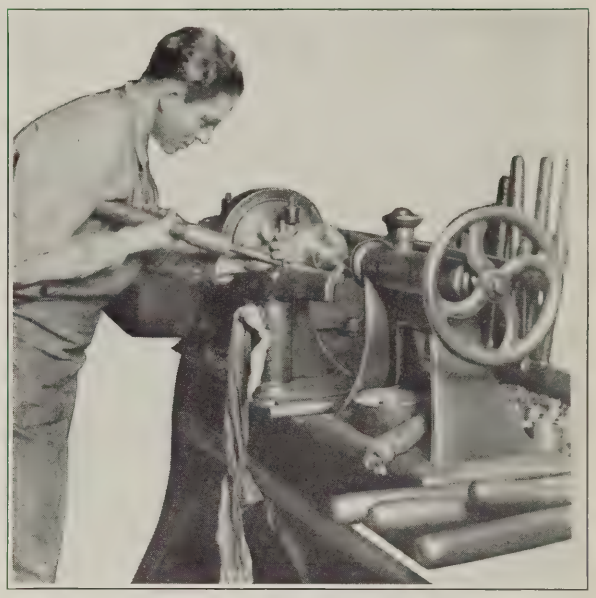
HOW GUTH FIXTURES ARE MADE

120,000 Feet of Space Devoted Exclusively to Quality Lighting Equipment



Guth

STAMPING *and* SPINNING



●A battery of stamping presses, large deep draw-presses, down to smaller punch-presses; Guth large production items are produced with exactness and care. Male and female "dies" for the press operations are "turned" in Guth's own "die-making" department.

●"Spinning," a highly-skilled trade, is responsible for many parts of lighting fixtures. After years of learning, the "spinner" "feels" his metal, as it spins; and he "forms" it on wooden or steel "chucks" to the exact shape required. An extremely interesting profession.

Guth

PORCELAIN ENAMELING

Porcelain enamel is, in reality, a "window-pane" finish. It is vitreous glass "fused" into steel at 1800° Fahrenheit. (See Microphoto on page 52.) The hard glassy finish may be had in any color of the rainbow. It is lustrous and true—and permanent. Guth Company's electric furnace produces a cleaner "white" finish, and a more true "color," than other type porcelain enamel firings.

See Pages 90 and 91 — the ALZAK Process.

HOW GUTH FIXTURES ARE MADE

120,000 Feet of Space Devoted Exclusively to Quality Lighting Equipment

PATTERN MAKING FOR CASTINGS

From sketches of fixtures, accurate blue-prints of full sized detailed drawings go to the pattern department. Here highly skilled pattern makers, working in wood or clay, combine the sculptor's art with a mechanic's expertness in creating the precise proportions, and completing the delicate tracery called for in the design. From the model is made a plaster mould, and from the latter, a red wax casting. This is carefully hand-tooled to ensure sharp outlines, and from it, a final bronze, brass, or aluminum casting pattern made.

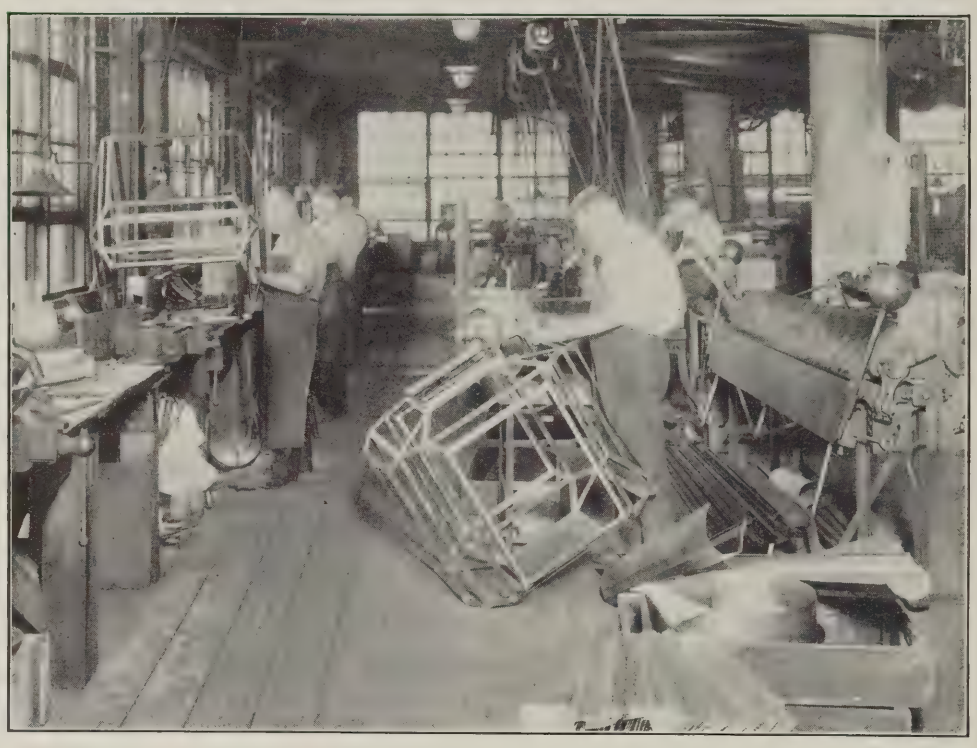
BRONZE, BRASS AND ALUMINUM CASTINGS

The patterns, described above, are solidly and evenly pressed into imported French Moulding Sand, which is contained by "flasks," pictured to the right. The patterns are removed from the "flasks," leaving exact impressions of the patterns in the sand. Then moulten metal is poured into the "flasks," as pictured to the right. The metal runs into each depression, quickly chills, and hardens into shape. The castings are then ready for machining, filing, etc.

See Pages 90 and 91 — the ALZAK Process.

HOW GUTH FIXTURES ARE MADE

120,000 Feet of Space Devoted Exclusively to Quality Lighting Equipment



SKILLED CRAFTSMEN

In this department the fabrication of parts is carried on. The workmen shown are forming sheet metal shapes and stampings into skeletons of huge lanterns, in whose sides art glass will later be permanently leaded. All joints of such framework are solidly riveted or spot-welded according to the requirements of the particular design. Here, too, are seen the powerful cutting and bending machines which form the metal into special shapes as called for in the drafting-room design.

ASSEMBLY AND INSPECTION

The proper wiring of high grade fixtures of the Guth type is more than a matter of providing proper circuits and connections. The wiring is, wherever possible, of the entirely concealed type, with nothing on the exterior of the fixture to detract from its appearance. All circuits are carefully tested, both mechanically and electrically, with every lead heavily insulated and made a permanent part of the fixture so that it will never need future service or attention.

See Pages 90 and 91 — the ALZAK Process.

PLASTIC BINDING—U.S. PATENT No. 1,970,285
BECKTOLD COMPANY—ST. LOUIS—LICENSEE No. 7

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